THE LEADER IN GLOBAL HEALTHCARE

GC Sustainability Report 2023

GC

ABOUT THIS REPORT

Overview

This is the second ESG Report published by GC Corp. [hereinafter referred as 'GC (Holding Company)', and presents economic, environmental, social and governance performance and plans for major affiliates including GC (Holding Company), GC Biopharma and GC Cell. We will continue to publish Sustainability Reports annually to communicate transparently with our stakeholders.

Reporting Period

The reporting period is from January 1st 2022 to December 31st 2022 and covers economic, environmental, social and governance activities. Some achievements include information up to the first half of 2023. Data for the past three years are provided in the area of quantitative performances to enable time series analysis.

Reporting Standards

This Report has been prepared in accordance with Comprehensive Options of the GRI (Global Reporting Initiatives) Standards, the global reporting standards for sustainability management. Disclosure indicators for global sustainability initiatives, such as the UN SDGs (United Nations Sustainable Development Goals), recommendations from TCFD (Task Force on Climate-related Financial Disclosures) and standards set by SASB (Sustainability Accounting Standards Board), have also been reflected.

Scope of Reporting

This Report covers major workplaces such as GC (Holding Company), GC Biopharma and GC Cells and supply chains, and also performance of major affiliates. Performance of GC (Holding Company) includes outcomes for the headquarter; GC Biopharma includes performance of the headquarter, three plants, R&D Center and 10 business worksites; and GC Cell includes performance of the headquarter, Cell Center, 47 business worksites and the logistics division. Financial performances are prepared based on the K-IFRS consolidation and environmental performances of each workplace are collected based on the data from the three corporations including GC (Holding Company), GC Biopharma and GC Cell.

Assurance of the Report

In order to ensure the validity of the procedure adopted to prepare the Sustainable Management Report and confirm integrity of the information within, third-party assurance by KMR (Korea Management Registrar) was carried out. For the assurance results, see Third-Party Assurance Statement on Page 134.

Report Terminology

This report integrates reports for three different affiliates: GC (Holding Company), GC Biopharma and GC Cell. Report for the 'GC Group' includes general information applicable to all affiliates for clear and correct understanding. Further, each affiliate's performance record is presented separately for GC (Holding Company), GC Biopharma and GC Cell.

Inquiries about the Report

Dept. GC ESG TF E-mail gc_esg@gccorp.com

CONTENTS

04.

INTRODUCTION

05 Message from the Chairman

06 Overview

21.

SUSTAINABLE FUNDAMENTAL

- 22 ESG Management Strategy
- 23 ESG Management Implementation Framework
- 24 Materiality Assessment

26.

FOCUS AREA

- 27 Area 1. Extending Access to Healthcare
- 40 Area 2. Customer Safety and Quality Responsibility
- 53 Area 3. Corporate Ethics and Compliance
- 65 Area 4. Environmental Responsibility

79.

GENERAL DISCLOSURE

- 80 General
- 89 Economy
- 93 Environment
- 97 Society

124.

- APPENDIX
- 125 GRI Standards 2021 Index
- 128 SASB Index
- 133 TCFD Index
- 134 Third-Party Assurance Statement
- 135 Assurance Statement on GHG Emissions
- 135 Initiative

NAVIGATION

Go to cover page Table of contents Previous view This report was published as an interactive PDF that includes functions such as moving to related pages within the report and shortcuts to related web pages.

INTRODUCTION

05 Message from the Chairmar

06 Overview



MESSAGE FROM THE CHAIRMAN

Dear Esteemed Stakeholders,

We are genuinely grateful for the continuous support you extended to the GC Group in spite of the difficult management environment last year. GC Group has been striving relentlessly to produce great performance in each business sector and establish our presence as a global leader in the healthcare industry. All our executives and staff members are well aware that these efforts are crucial to building a healthier and happier future for humankind and that these efforts are exactly in line with the goals of ESG management.

GC Group's first publication of Sustainability Report last year helped us to take the first step and communicate our ESG management goals and outcomes with stakeholders. In 2023, we are continuing the endeavors to advance our ESG management, strengthen internal stability and live up to social expectations. Accordingly, we will implement ESG management as follows.

We will contribute to the happiness of humanity through quality management.

With the firm conviction that high quality products are crucial to bring happiness for humans, we will supply zero-defect products and reinforce R&D management to contribute to creating a society where people lead happy lives without suffering from diseases.

We will strive to meet social expectations and create a transparent management environment through Compliance and Ethical Management.

We will spare no efforts to keep to the 'right and transparent path,' which is a core value of transparent management. After establishing our own ethical standards, we are encouraging executives and staff members to inculcate a sense of ethics through the ethical management culture. Furthermore, we will strengthen the compliance management system continuously for ethical management.

We will implement sustainable management by responding to climate change and through ecofriendly management.

We are committed to promoting eco-friendly management in overall business sectors internally so that we can minimize impact on the environment. We will consider environmental impact in all value chains and will do our best to increase the use of renewable energy and reduce environmental waste etc. Moreover, we will work hard to strengthen eco-friendly management and thereby achieve the 2050 Net-Zero goals.

We will move hand in hand with stakeholders through participating actively in social contribution activities.

Based on our core values, 'Voluntary work and caring' and 'Respect for man's life and dignity', we will contribute to the community and stakeholders to fulfill our Corporate Social Responsibility (CSR) and deliver value beyond financial performance. We will continue to strengthen social contribution activities and become a company that grows together with the local community. We are well aware that our company is expected to grow further sustainably by contributing to create a healthier life for mankind, the environment and society. GC Group will leave no stone unturned to accomplish our sustainable ESG management goals for the next 50 years. We would like to thank our stakeholders again for the great support they have extended to us over the years.

Chairman of GC II-Sub Huh

Company Overview

Since the foundation in 1967, for half a century, GC has taken the difficult path of developing 'Medicinal drugs that are difficult to make, but essential with the devotion to help build a society where everyone can enjoy a happy life without suffering from diseases. Our path has taken us to remarkable growth. On the outside, we have grown from a small company with sales of KRW 12.8 million with about 10 employees in the early days of its foundation to a leading pharmaceutical company in Korea with sales of KRW 2.0796 trillion (consolidated basis) in 2022. We have been expanding our overseas business continuously, and are now a global company with 46 domestic and overseas affiliates. For a greater leap to become a biotechnology and healthcare group that leads the global total healthcare business, we are in the process of reorganizing our core business into a portfolio of products and services that cover the entire course of disease prevention, diagnosis, treatment, and healthcare.

GC Business Portfolio

Major Information

(as of Dec, 31, 2022, Consolidated basis)

| (| Employees (Consolidated basis) 6,571 persons | Biopharma & Innovative Tech | Digital Healthcare |
|--|--|--|--|
| 0000 | | GC Biopharma GC Cell GC EM GC Invacfarm | UBcare GC Care ØBROS |
| (0) (0) | Assets(Consolidated basis) KRW 3.5921 trillion | ◆ GC China ◆ GC LabTech | PROJECT |
| | Sales(Consolidated basis) KRW 2.0796 trillion | Diagnosis | |
| 1 T T T T T T T T T T T T T T T T T T T | Subsidiaries 6 (Listed), 40 (Unlisted) | Cenome Concerning Cenes Laboratories Cenes Laboratories Cenes Laboratories | Consumer Health C Biopharma C Wellbeing C C Wellbeing C C MED CREEN VET |

Management Philosophy

GC pursues growth as a global company in the fields of various health industries such as pharmaceuticals, medical devices and healthcare services so health of the body and mind can be maintained through prevention, diagnosis, treatment and care of diseases.

Mission & Vision

It is our MISSION to contribute to the healthy lives of humankind and it is our VISION to be a global leader in the health industry.

Core Value

Challenge and Innovation

The source of GC's growth

GC's relentless drive to rise and meet new challenges with innovative solutions has made the company what it is today. Having always preferred to blaze new trails over following easy and simple paths, GC intends to strengthen its reputation and brand value through greater R&D efforts.

Transparency and Integrity

Uncompromising commitment to the right path

GC refuses to reach its goals by anything other than the right way. The company has pursued growth with the unswerving conviction that there are right ways to do things, no matter how long and painstaking they may be. We honor and cherish the founding commitment to prioritize respect for life above profitmaking.

Care & Compassion

The spirit of GC

GC has researched and developed innovative drugs for patients with rare diseases, and continues to undertake charity work for the socially excluded and marginalized. We are dedicated to restoring hope to patients over and beyond simply providing treatment for their illnesses.

Respect & Dedication

Deep respect for life at the root of every choice

Respect for life is the first and foremost value guiding all GC pursuits. We remain committed to maximizing benefits and value for all our clients, including patients, medical practitioners, shareholders, and investors.

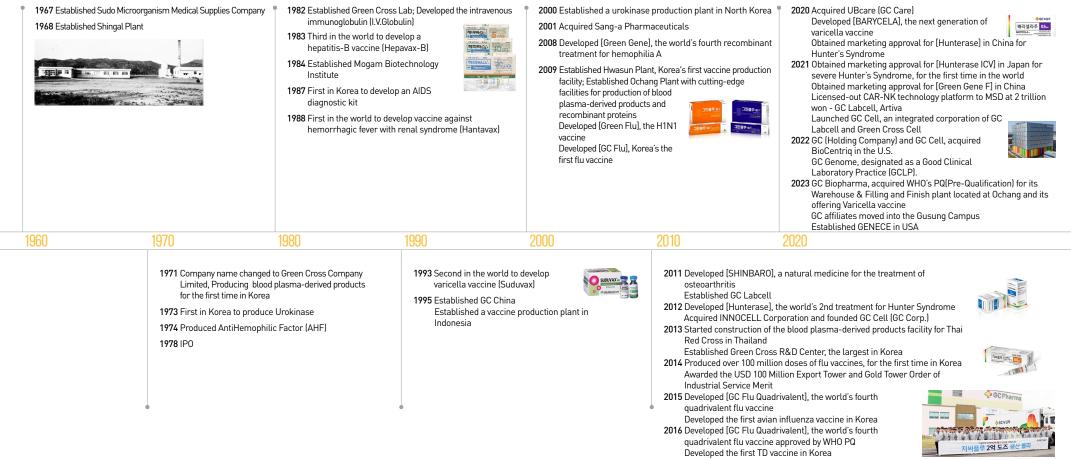




GC History

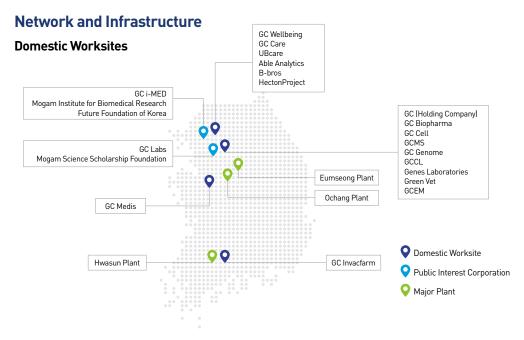
Our passion always drives us toward a healthy life.

GC strives for everyone to enjoy a happy life without the pain from diseases. We endeavor to become a leader in healthcare industry with respect for life and unswerving dedication beyond the pharma industry.



2018 Renamed from Green Cross to GC Biopharma; Constructed Cell Center; Awarded the USD 200 Million Export Tower

2019 Produced over 200 million doses of flu vaccines, for the first time in Korea



Global Network GC China Pharm GC China GC LabTech 0 Curevo 0 GC Biopharma USA 0 BioCentria 0 GC Lymphotec 0 GENECE ABLE 2 CARE 0 GC Biopharma do Brasil Artiva

GC's Major Corporation and Global Network

| Category | Corporate Name | Location | Products and Services | Category | Corp |
|----------|--------------------------|---------------------|--|----------|-----------------|
| Domestic | GC (Holding company)* | Yongin, Gyeonggi | Holdings | Domestic | GCCL |
| | GC Biopharma* | Yongin, Gyeonggi | Production of prescription and OTC medicine | | GC Me |
| | GC Cell* | Yongin, Gyeonggi | Development of CGT | | Genes Labora |
| | UBcare* | Seoul | Development of digital healthcare solutions | | Green |
| | GCMS* | Yongin, Gyeonggi | Development of diagnostic reagents | | Able A |
| | GC Wellbeing* | Seoul | R&D of natural medicine and health functional food | | GCEM |
| | GC Care | Seoul | IT-based healthcare services | | GC Inv |
| | GC Genome | Yongin, Gyeonggi | Specialized genomic analysis | | B-bros |
| | | , 55 | | | |

| Corporate Name | Location | Products and Services |
|-----------------------|-----------------------|--|
| GCCL | Yongin, Gyeonggi | Clinical trial examination and analysis services |
| GC Medis | Cheonan, Chungnam | Production of Blood Glucose Meter |
| Genes Laboratories | Seongnam, Gyeonggi | R&D of molecular diagnosis |
| Green Vet | Yongin, Gyeonggi | Development of health functional foods and animal diagnosis services |
| Able Analytics | Seoul | Consulting based on data analysis |
| GCEM | Seongnam, Gyeonggi | Biotech facility engineering and construction services |
| GC Invacfarm | Hwasun, Jeonnam | Production of fertilized chicken eggs for vaccine production |
| B-bros | Seoul | Healthcare platform services |
| HectonProject | Seoul | Hospital EMR and silver care platform services |

*Listed Company

| Category | Corporate Name | Location | Products and Services | Category | Corporate Name | Location | Products and Services |
|----------|---|----------------|--|------------------------------------|---|---------------------|--|
| Overseas | | | GC Biopharma do Brasil | Sao Paulo, Brazil | Other services | | |
| | | GC Lymphotec | Tokyo, Japan | Research and sales of cell therapy | | | |
| | GC Biopharma USA | New Jersey, US | Sales of medicine | Other | GC Labs | Yongin, | Clinical examination. |
| | Biocentriq | New Jersey, US | CDMO service for CGT | Public Interest | (Include Health Examination Center | Gyeonggi | comprehensive health examination |
| | Curevo | Washington, US | Next-generation vaccine development | Corpo- | Examination Center GC i-MED) | | |
| | GC LabTech | Texas, US | Plasma screening test | rations | Mogam Institute for Biomedical | Seoul | Research on cancer, vaccines, rare diseases and metabolic |
| | GENECE | California, US | Cancer diagnosis services | | Research | | diseases |
| | ABLE 2 CARE | California, US | Digital healthcare platform service | | Mogarn Science Scholarship Foundation | Yongin, Gyeonggi | Support with scholarship programs for students with high levels of talent in science |
| | Artiva California, US Development of cell therapy | | Future Foundation of Korea | Seoul | Scholarship program for North Korean defectors | | |

Affiliates [Domestic]



+ GC GC Corp.(005250)

We endeavor to become a global leader in the healthcare industry for the healthy future of humankind.

GC (Holding Company) is accompanied by total of 46 affiliates consisting of 28 domestic and 18 overseas affiliates including GC Biopharma as the flagship affiliate. GC (Holding Company) establishes and coordinates strategies for the affiliates' business management, starts new businesses, and manages the investment asset portfolio. The affiliates are focused on the production and sales of drug products, and digital healthcare businesses.

| Overview | | Financial Results (Unit: KRW 100 million) | | | | |
|--------------------------|---|---|--------|--------|--------|--|
| CEO | Il-Sub Huh, Yong-Jun Huh | Year | 2020 | 2021 | 2022 | |
| Date of Establishment | Oct, 05, 1967 | Total Assets | 32,412 | 34,968 | 35,921 | |
| No. of Employees | 163 persons | Total Equity | 16,735 | 19,107 | 19,670 | |
| Website | www.gccorp.com | Operating Revenues | 17,193 | 18,406 | 20,796 | |
| Address | 107, Ihyeon-ro 30beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | Operating Income | 707 | 862 | 712 | |

Consolidated basis



+ GC Biopharma GC Biopharma Corp.(006280)

Great Commitment, Great Challenge and a Great Company: We strive to build the foundations for a society where all humankind enjoys a happy life without suffering from diseases.

GC Biopharma has been contributing to patient treatment and public health through development of necessary medicines based on accumulated knowledge regarding blood plasma-derived products, vaccines and gene recombination treatments. We have established future growth engines by focusing on R&D to develop mRNA platform technology and innovative new drugs for rare diseases. Not only that, GC Biopharma has taken a great leap to becoming a top global pharmaceutical company and export medicines to more countries, especially the flu vaccine, IVIG and Hunterase etc.

| Overview | | Financial Results (Unit: KRW 100 million) | | | | | |
|--------------------------|---|---|--------|--------|--------|--|--|
| CEO | Eun-Chul Huh | Year | 2020 | 2021 | 2022 | | |
| Date of Establishment | Nov, 01, 1969 | Total Assets | 21,514 | 24,621 | 25,255 | | |
| No. of Employees | 2,302 persons | Total Equity | 12,693 | 14,998 | 15,666 | | |
| Website | www.gcbiopharma.com | Sales | 15,041 | 15,378 | 17,113 | | |
| Address | 107, Ihyeon-ro 30beon-gil, Giheung-gu, Yongin-si, Gyeongqi-do, Republic of Korea | Operating Income | 503 | 737 | 813 | | |

* Consolidated basis



GC Cell GC Cell Corporation(144510)

GC Cell makes bold strides ahead as the leading company for cell therapies under the vision of 'Global Creator of CGT'.

GC Cell is a leading cell therapy company for specializing in CGT-related CDMO, R&D and providing a laboratory medicine service. We plan to focus on expanding the global market with all our capacity by creating pharmaceutical value-chain by developing new CGT product and clinical trials to production through collaboration with U.S affiliates, Artiva (Clinical trials) and Biocentriq(Production) to become a global top-tier CGT company.

| Overview | | Financial Results (Unit: KRW 100 million) | | | | |
|--------------------------|---|---|------|-------|-------|--|
| CEO | James Park Jong-Eun | Year | 2020 | 2021 | 2022 | |
| Date of Establishment | Jun, 21, 2011 | Total Assets | 764 | 6,456 | 6,765 | |
| No. of Employees | 838 persons | Total Equity | 518 | 5,157 | 5,457 | |
| Website | www.gccell.com | Sales | 856 | 1,683 | 2,361 | |
| Address | 107, Ihyeon-ro 30beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | Operating Income | 64 | 363 | 443 | |

* Consolidated basis

Affiliates [Domestic]



UBcare UBCARE CO., LTD. (032620)

The No. 1 company in the market share of the Electronic Medical Record (EMR) system of domestic nursing institutions that creates the future of digital healthcare solutions through the convergence of medical information and ICT.

UBcare has No.1 market share in the domestic EMR market, developed EMR for the first time in Korea and provides various digital healthcare service solutions such as developing and providing EMR solutions, providing management consulting services, customized medical device, medicine data and market analysis services etc. for hospitals, pharmacies and pharmaceutical companies. Furthermore, UBcare invests in developing more advanced and new solutions and services to contribute to public health and bring down medical expenses.

| Overview | | Financial Results (Unit: 100 million) | | | | |
|--------------------------|---|---------------------------------------|-------|-------|-------|--|
| CEO | Sang-Kyoung Lee | Year | 2020 | 2021 | 2022 | |
| Date of Establishment | Dec, 02, 1994 | Total Assets | 1,542 | 1,493 | 1,619 | |
| No. of Employees | 306 persons | Total Equity | 1,095 | 1,210 | 1,235 | |
| Website | www.ubcare.co.kr | Sales | 1,048 | 1,118 | 1,333 | |
| Address | 29,30,31 floor, Parkonetower2, 108, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea | Operating Income | 128 | 100 | 67 | |

* Consolidated basis



+ GCMS GC Medical Science Corporation (142280)

GCMS, the domestic leader in the development of diagnostic business for the past 50 years, with a wide range of offerings from in-vitro diagnostic business to hemodialysis fluid and blood glucose meter.

Starting from the blood type diagnostic reagents launched in 1972, GCMS developed Korea's first AIDS diagnostic reagent in 1987 followed by the development of a diagnostic reagent for epidemic hemorrhagic fever in 1990. We strive to improve the guality of life through precise diagnosis using molecular immunodiagnostic technology. Through continuous R&D of medical devices and household healthcare products, we endeavor to become a global diagnostic medical device company.

| Overview | | Financial Results (Unit: 100 million) | | | |
|--------------------------|---|---------------------------------------|-------|-------|-------|
| CEO | Young-Hee Sagong | Year | 2020 | 2021 | 2022 |
| Date of Establishment | Dec, 29, 2003 | Total Assets | 1,056 | 956 | 965 |
| No. of Employees | 135 persons | Total Equity | 582 | 379 | 357 |
| Website | www.greencrossms.com | Sales | 1,134 | 1,017 | 1,131 |
| Address | 15, Yonggu-daero 2469beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | Operating Income | 42 | (202) | (13) |

* Consolidated basis



+ GC Wellbeing GC Wellbeing Corporation (234690)

GC Wellbeing provides various healthcare solutions based on personalized nutrition therapy.

GC Wellbeing, the No. 1 company in the domestic nutrition therapy injection market, develops, manufactures and distributes the prescription drug 'LAENNEC' placental injection and other various nutrition injections. In addition, GC Wellbeing will further advance personalized nutritional solutions that combine prescriptions of Ethical drugs and health functional foods. As a total nutrition provider striving for the prevention of disease, we strive to be a leader in proposing personalized wellness lifestyles.

| Overview | | Financial Results (Unit: 100 million) | | | | |
|--------------------------|---|---------------------------------------|-------|-------|-------|--|
| CEO | Sang-Hyun Kim | Year | 2020 | 2021 | 2022 | |
| Date of Establishment | Sep, 02, 2004 | Total Assets | 1,146 | 1,390 | 1,502 | |
| No. of Employees | 294 Persons | Total Equity | 831 | 883 | 962 | |
| Website | www.greencrosswb.com | Sales | 756 | 910 | 1,097 | |
| Address | 33F, Park One Tower 2, 108, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea | Operating Income | 23 | 78 | 84 | |

* Non-consolidated basis

Affiliates [Domestic]



GC Care GC Care Corporation

GC Care is an all-in-one healthcare service company that has launched a mobile app to help users maintain a 'Healthy Lifestyle' in daily life.

GC Care provides personalized healthcare service such as mobile self-checkup, daily health care etc. through the mobile platform 'Howcare'. The company has expanded its nationwide network to more than 500 such as local high-level general hospitals, specialized examination centers etc. It is taking bold strides to become an all-in-one healthcare company providing professional healthcare services to approximately 3,500,000 people through personalized healthcare solution, health consultation etc.

| Overview | | Financial Results (Unit: KRW 100 million) | | | | |
|--------------------------|---|---|-------|-------|-------|--|
| CEO | Hyo-Jo Ahn | Year | 2020 | 2021 | 2022 | |
| Date of Establishment | Aug, 01, 2003 | Total Assets | 3,816 | 3,889 | 4,024 | |
| No. of Employees | 339 persons | Total Equity | 1,498 | 1,736 | 1,636 | |
| Website | www.gccare.net | Sales | 1,006 | 1,416 | 1,660 | |
| Address | 32 floor, Parkonetower2, 108, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea | Operating Income | 81 | 49 | (12) | |

* Consolidated basis



+ GC Genome GC Genome Corporation

A clinical genomic diagnostics company that comprehensively conducts diseaseoriented genomic diagnosis, prevention, and research.

Using state-of-the-art equipment such as Next-Generation Sequencing (NGS) to provide distinguished services with shortened turnaround time and affordable prices, GC Genome provides essential clinical genomic diagnosis services in medical fields such as cancer, rare genetic diseases, prenatal and newborn care, health checkup, and microbiomes etc. We strive to become a frontier company in genomic diagnostics by pioneering unknown areas in the field of clinical genomic diagnostics.

| Overview | | Financial Results (Unit: KRW 100 million) | | | | |
|--------------------------|--|---|------|------|------|--|
| CEO | Chang-Seok Ki | Year | 2020 | 2021 | 2022 | |
| Date of Establishment | Jul, 31, 2013 | Total Assets | 418 | 424 | 489 | |
| No. of Employees | 128 persons | Total Equity | 187 | 190 | 266 | |
| Website | www.gcgenome.com | Sales | 136 | 185 | 241 | |
| Address | 107, Ihyeon-ro 30beon-gil, Giheung-gu, Yonginsi, Gyeonggi-do, Republic of Korea | Operating Income | 0 | (21) | (32) | |

Non-consolidated basis



GCCL CO., LTD.

A business offering customized clinical sample analysis services through all clinical trial stages with the highest quality standards, dedicated laboratory services, and logistics networks.

GCCL, certified for GCLP (Good Clinical Laboratory Practice) and ISO15189, provides a full-cycle analysis service for clinical trials from Phase 1 to Phase 4 with an optimized lab to meet customers' needs. Through partnership with 250 companies developing new drugs, we are building trust to reach greater heights as a leading central laboratory globally.

| Overview | | Financial Re | sults (Unit: KR) | N 100 million) | |
|--------------------------|---|---------------------|------------------|----------------|------|
| CEO | Song-Hyun Yang | Year | 2020 | 2021 | 2022 |
| Date of Establishment | Aug, 01, 2019 | Total Assets | 169 | 160 | 315 |
| No. of Employees | 81 persons | Total Equity | 114 | 99 | 191 |
| Website | www.gccl.co.kr | Sales | 67 | 80 | 151 |
| Address | 15, Yonggu-daero 2469beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | Operating Income | (2) | (18) | (8) |

Affiliates [Domestic]



😓 Genes Laboratories 🛛 Genes Laboratories

Genes Laboratories is a company that diagnoses diseases, evaluates health conditions, determines treatment effects, and prevents diseases using in vitro diagnostic technologies such as molecular diagnosis, immunochemical diagnosis, and POCT etc.

Genes Laboratories have top-level technology to produce enzymes and offer optimized services from producing raw materials to finished products based on diagnosis R&D capacity (Having GMP-certified facility). It supplies raw materials and partially developed products to many diagnosis companies with high quality control and competitive prices through self-development and production. It focuses mainly on becoming a global company by diagnosis and prevention of various human and pet diseases based on sophisticated technology.

| Overview | | Financial Res | ults (Unit: KR) | N 100 million) |
|--------------------------|---|---------------------|-----------------|----------------|
| CEO | Uck-Jin Chang, Pyong-Joo Jang | Year | 2020 | 2021 |
| Date of Establishment | Nov, 04, 2008 | Total Assets | 53 | 116 |
| No. of Employees | 54 persons | Total Equity | 23 | 75 |
| Website | www.geneslabs.com | Sales | 94 | 18 |
| Address | 520Ho, 388, Dunchon-daero, Jungwon-gu, Seongnam-si, Gyeonggi-do, Republic of Korea | Operating Income | 14 | (31) |

82 (34)

* Non-consolidated basis

2022

111

42



GREEN VET Green Vet

Green Vet, a company for specialized checkups and healthcare for pets' live cycle.

We provide consulting services for diagnosis and treatment of diseases in pets, and to this end, we operate diagnostic video, web clinical consulting, health examination, and management services as our main business. We strive to become total healthcare company for pets through their entire lifecycle and will endeavor continuously to enter the global market in the future by presenting new standards for the pet healthcare business and strengthening R&D and business competencies through steady investment.

| Overview | | Financial Res | sults (Unit: KR) | N 100 million) | |
|--------------------------|---|---------------------|-------------------------|----------------|------|
| CEO | Dae-Woo Park | Year | 2020 | 2021 | 2022 |
| Date of Establishment | Dec, 01, 2020 | Total Assets | 32 | 50 | 123 |
| No. of Employees | 57 persons | Total Equity | 30 | 20 | 36 |
| Website | www.greenvet.co.kr | Sales | 0 | 15 | 39 |
| Address | 15, Yonggu-daero 2469beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | Operating Income | 0 | (23) | (34) |

* Non-consolidated basis



GCEM GC Engineering Maintenance Corporation

Korea's only bio-engineering construction company that provides total services from consulting to design, construction, validation, and maintenance.

GCEM has been the country's only bio-engineering and construction company since its establishment. From design to construction, validation and maintenance, we create customer based on with excellent quality, safe construction, and thorough customer care. We are poised to to become 'A leader in bio and GMP engineering sector' as 'Total solution partner' in all relevant sectors beyond customers' expectations.

| Overview | | Financial Res | sults (Unit: KR | W 100 million |) |
|--------------------------|--|---------------------|------------------------|---------------|-------|
| CEO | Chung-Gwon Park | Year | 2020 | 2021 | 2022 |
| Date of Establishment | Mar, 16, 2001 | Total Assets | 700 | 817 | 826 |
| No. of Employees | 330 persons | Total Equity | 399 | 419 | 431 |
| Website | www.gcem.co.kr | Sales | 1,238 | 1,259 | 1,591 |
| Address | 8, Gumi-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea | Operating Income | 43 | 43 | 53 |

Affiliates [Domestic & Overseas]



GCInvacfarm GC Invacfarm Corporation

GC Invacfarm produces high-quality fertilized chicken eggs used for vaccine production and provides assurance of steady supply.

GC Invacfarm has established an excellent quarantine system in the hatcheries and poultry farms, and provides steady supply of high-quality fertilized chicken eggs by operating a hatchery together with local hatchery farms to contribute to the growth of GC Biopharma's flu vaccine business.

| Overview | | Financial Res | ults (Unit: KR) | N 100 million) |
|--------------------------|--|----------------------|-----------------|----------------|
| CEO | In-Gyu Lee | Year | 2020 | 2021 |
| Date of Establishment | Nov, 29, 2007 | Total Assets | 183 | 190 |
| No. of Employees | 24 persons | Total Equity | 166 | 172 |
| Website | - | Sales | 188 | 215 |
| Address | 40, Sandan-gil, Hwasun-eup, Hwasun-gun, Jeollanam-do, Republic of Korea | Operating Income | 2 | 9 |

* Non-consolidated basis

2022

192

172

215

3



Major

Overseas

Affiliates

🔶 🔶 GC China 🛛 GC China Corp.

Producing and distributing blood plasma-derived products in China.

GC China, the global production hub of GC, is focusing on producing blood plasma-derived products in production facility that acquired accreditation by on-site certification from China's Ministry of Health in 1998. GC China also acquired China's GMP certification for the first time in Anhui Province. GC China supplies its products throughout China through GC China Pharm, an affiliate for distribution of products in China, and directly operates four blood centers in China for stable supply of blood plasma.

| Overview | | Financia |
|--------------------------|--|---------------------|
| CEO | Chang-Sup Kim | Year |
| Date of Establishment | Jul, 01, 1995 | Total Assets |
| No. of Employees | 277 persons | Total Equity |
| Website | www.greencrosschina.com | Sales |
| Address | No. 26, Guoqing East Road, Datong Economic Development Zone, Huainan City, Anhui Province, China | Operating Income |
| | | 1) Correcte |

| Financial Res | sults (Unit: KR | W 100 million |) |
|---------------------|------------------------|---------------|--------------|
| Year | 2020 ¹⁾ | 20211) | 2022 |
| Total Assets | 1,297 | 1,391 | 1,357 |
| Total Equity | 733 | 840 | 727 |
| Sales | 571 | 716 | 457 |
| Operating Income | 59 | 27 | (11) |
| 1) Corrected | | * Consol | idated basis |

💠 GC Biopharma USA

• New Jersey, U.S. Commercialization of drug products in North America

🔶 GC Biopharma do Brasil

 Sao Paulo, Brazil Commercialization of drug products and development of business in South America

🔶 GC LabTech

• Texas, U.S. Conducting research and developing plasma screening and other tests for producing blood plasma-derived

GCLTEC

•Tokyo, Japan Manufacturing and commercialization of cell therapy and medium for cell culture • New Jersey, U.S. CGT CDM0

VACCINE • Washington, U.S. Development of next-generation vaccines [next-generation varicella zoster vaccines, etc.]

GENECE

• California, U.S. Cancer diagnosis services

activado · California, US Development of cell and gene therapy

Affiliates [Public Interest]



GCLabs Green Cross Laboratories (GC Labs)

GC Labs is a medical institution focusing on R&D of high-tech specialized test by applying new technology into clinical trial in cooperation with professional organizations in the world.

The GC Labs, founded in 1982, which started as a medical institution specializing in clinical trials has focused on introducing cutting-edge equipment, training of talented people, and researching and developing of specialized tests in the field of clinical examination. The GC Labs provides reliable results of clinical examination by maintaining total quality management through participating in Clinical Laboratory Accreditation oversea and domestically and quality management program such as US CAP, Germany G-EQUAS and ISO 15189 (International Standard for Medical Laboratories] etc.

| Overview | | Financial Res | sults (Unit: KR | W 100 million) |
|--------------------------|---|---------------------|------------------------|----------------|
| CEO | Eun-Hee Lee | Year | 2020 | 2021 |
| Date of Establishment | Jul, 01, 1982 | Total Assets | 1,097 | 2,128 |
| No. of Employees | 566 persons | Total Equity | 318 | 666 |
| Website | www.gclabs.co.kr | Sales | 2,248 | 4,400 |
| Address | 107, Ihyeon-ro 30beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | Operating Income | 145 | 897 |

2022 2,587 1,066 5.219 1.060

* Non-consolidated basis



GC MED Green Cross i-Med (GC i-MED)

GC i-MED is a functional medical care center to find and treat diseases in advance through high-tech testing system to improve quality of life.

GC i-MED is a comprehensive health examination and functional medical care center that strives to establish 'Healthpia' for health for all. The combination of cuttingedge health examination systems and professional and experienced medical staff enables personalized diagnostic and healthcare services that cater to clients' health needs throughout all stages of life. GC i-Med tries to provide comprehensive health examinations for diagnostics and functional medicine, and is capable of providing optimal health solutions for all clients.

| Overview | | Financial R | esults (Unit: KR) | N 100 million | l |
|--------------------------|--|---------------------|-------------------|---------------|------|
| CEO | Sang-Man Kim | Year | 2020 | 2021 | 2022 |
| Date of Establishment | Jul, 01, 1982 | Total Assets | 415 | 357 | 425 |
| No. of Employees | 236 persons | Total Equity | 62 | 58 | 75 |
| Website | www.gcimed.com | Sales | 354 | 491 | 563 |
| Address | 4F-5F Majesta City Tower 1, 12, Seocho-daero 38- gil, Seocho-gu, Seoul Seocho-gu, Seoul, Republic of Korea | Operating Income | (35) | 5 | 29 |

* Non-consolidated basis

Other Public Interest **Businesses**



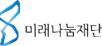
Mogam Institute for Biomedical Research (Seoul)

A nonprofit research foundation searching for solutions to prevent, diagnose and treat diseases (Founded in 1984)

^O목암고랴학장학재단

Mogam Science Scholarship Foundation (Yongin)

A scholarship foundation to find and support future scientists through providing scholarships and research funds and thereby contribute to science and technology. (Founded in 2005)



Future Foundation of Korea (Seoul)

Providing scholarship programs to foster promising North Korean defectors and enable them grow into leaders with a passion for learning and hope for the future in the era of unification (Founded in 2009)

Business Highlights [GC Biopharma]

Acceleration of the Development of mRNA Flu Vaccine Launch of Personalized SW for Hemophiliac Patients, for the First Time in Korea

🔶 GC 녹십지

그린진에프주

GC Biopharma, Participating in EL-PFDD with FDA to Develop 'Patient-centered New Drugs'

Accredited with 'Orphan Drug and Rare Pediatric Disease Designation, RPDD' Regarding Treatment for Sanfilippo Syndrome Type A (MPS III A)





GC Biopharma exercised its option in April, 2022, by signing a non-exclusive licensing agreement with Acuitas located in Canada for LNP (Lipid Nano Particle hereafter called 'LNP'), which is an opportunity to pursue possible development of mRNA flu vaccine. LNP is a system to deliver nano particles into cells in the body so that mRNA can work properly. For this reason, it is a core technology to develop mRNA-based drugs. GC Biopharma plans to enter Phase 1 by 2024 based on it accumulated technology of flu vaccine and Acuitacio

its accumulated technology of flu vaccine and Acuitas's technology.

Along with this, GC Biopharma is investing in mRNA production facility. The company decided to invest in building pilot production facility for mRNA in Hwasun, Jeonnam, and plans to secure its next-generation growth engine by accelerating the development of innovative new products for vaccine and rare diseases through mRNA platform technology. GC Biopharma launched 'WAPPS-HEMO', a personalized SW for domestic hemophiliac patients, in June, 2022.

WAPPS-HEMO helps medical teams to anticipate patients' pharmacokinetic profile to decide the proper dose and space for each patient prescribed with Green Gene F' and 'GreenMono'. Not only that, patients can manage their disease by themselves through checking the predicted blood coagulation level using the app.

GC Biopharma is the first company to launch this kind of service in Korea. It spares no effort to create an environment where domestic patients suffering from rare diseases can get proper personalized treatment and cut total medical costs to improve adherence to medication and quality of life and decrease bleeding rate.



GC Biopharma had the opportunity to establish guidance for the development of new drugs for rare intractable diseases by participating in EL-PFDD (Externally-Led Patient-Focused Drug Development), together with FDA in Aug, 2022, as a co-host with its U.S. partner company, Speragen.

In Jul, 2021, GC Biopharma signed a joint development partnership with the U.S. company Speragen for the treatment of a rare intractable disease called "SSADHD*(Succinic Semialdehyde Dehydrogenase Deficiency)" that has no cure yet but patients are only prescribed with anti-seizure drugs. Through this partnership, the two companies are aiming to develop First-in-Class drugs for the disease. EL-PFDD is an important meeting that serves as a platform to develop treatment for rare diseases, where FDA invites patients, their families, medical teams and relevant business personnel together to establish criteria for benefitrisk assessments of clinical trials. It was the first case for a Korean pharmaceutical company to participate in EL-PFDD where a total of 113 relevant personnel participated including SSADHD patients worldwide, their families, medical teams and FDA representatives. After the meeting, GC Biopharma and Speragen plan to establish clinical trial criteria to develop Enzyme Replacement Therapy.

GC Biopharma

GC Biopharma has been accredited with 'Orphan Drug and Rare Pediatric Disease Designation, RPDD' regarding treatment for Sanfilippo syndrome Type A (MPS III A) ,co-developed with the bio venture company, Novel Pharma, developer of rare drugs in Jan, 2023. Sanfilippo syndrome Type A (MPS III A) is a recessive genetic disease that causes gradual damage to the central nervous system caused by the accumulation of Heparan sulfate in the central nervous system due to genetic defects. MPS III A is a severe disease and there has been no treatment yet and most patients die before 15 or have to live with severe symptoms.

GC Biopharma has been co-developing Enzyme Replacement Therapy for this disease since 2020. It has established GMP-certified production facilities to produce drugs with its own specialized protein recombination technology and Novel Pharma performs the non-clinical trials.

GC Biopharma will make continuous efforts to provide better treatment for patients with rare diseases and support their families based on its accumulated knowhow in the rare drug sector.

Business Highlights [GC Biopharma]

Acquired WHO's PQ(Pre-Qualification) to Improve Global Competitiveness



GC Biopharma acquired WHO's PQ(Pre-Qualification) for its 'Integrated Finished Drug System' located in Ochang, Chungbuk and its offering 'Varicella vaccine' in Feb, 2023.

This accreditation helps GC biopharma to establish a global-level production base for 'Integrated Finished Drug System' where medicines can be supplied to international organizations upon their order through production from the vaccine production plant in Hwasun, Jeonnam.

This plant is the largest filling and finish facility based in South Korea, established in 2019. GC Biopharma installed an isolator facilities and applied a single-use system in the site, and it has state-of-the-art automation facilities that automate the entire process from raw material warehousing to production and shipment. Product stability of Varicella has been improved with higher virus dose, production in sterile production system through cell incubation, virus injection and purification etc. It is characterized as the only vaccine in the world that does not use antibiotics. GC Biopharma will contribute more to cutting social and economic costs caused by pandemics based on its global network. Acquired Pipeline of Medicine for Rare Bloodclotting Diseases with Catalyst Bio-sciences in U.S.



GC Biopharma signed an Asset Purchase Agreement for the pipeline of medicine for rare blood-clotting diseases with Catalyst Bio-sciences (NASDAQ: CBIO), new drug developer, in U.S in Feb, 2023.

This agreement will help GC Biopharma to acquire a total of three pipelines including Marzeptacog alfa(MarzAA) in global Phase 3.

In its previous clinical development trials, MarzAA demonstrated efficacy and safety as a treatment for rare bleeding disorders. More significantly, MarzAA, unlike majority of existing therapeutics, is delivered by subcutaneous injection, making it more convenient to administer and less burdensome for the patients, who require life-long treatment.

This acquisition of pipelines that are already in clinical stages in U.S will serve as the basis for GC Biopharma to enter the global market in advanced countries such as U.S to offer First-in-class launches.

Acquired Domestic Product License for Livmarli

Acquired Domestic Product License for Flu Vaccine in Taiwan



GC Biopharma acquired domestic product license for Livmarli(Mara Lixibat Chloride), treatment for a rare multisystem genetic disorder caused by defects in infant liver, from the U.S company Mirum Pharmaceuticals in Feb. 2023.

Livmarli is the first treatment in Korea for patients suffering from Alagille syndrome, a rare liver disorder caused by defects in infant liver such as hepatobiliary reduction and stagnancy in producing bile juice.

Furthermore, GC Biopharma plans to start the process for acquiring domestic product license for medicines to treat a total of three indications such as 'Progressive familial intrahepatic cholestasis, PFIC' and 'Biliary Atresia'. Livmarli is the only drug in the market for rare liver disorders, and is expected to offer new hope for patients.

GC Biopharma will do its best to help patients receive proper treatment with orphan drugs like Livmarli that will be required by a population of less than 20,000 in Korea. MVC, Medigen Vaccine Biologics Corp. whose manufacturing technology was transferred from GC Biopharma aquired product license for its quadrivalent flu vaccine from Taiwan Food and Drug Administration in March, 2023.

Taiwan is one of the countries where acquiring licenses for pharmaceutical products is difficult, and the Taiwan government is nurturing the bio industry for potential innovations. and the Taiwan government is nurturing the bio industry for its innovation potential. Most global pharmaceutical companies are having business in Taiwan and acquisition of this product license suggests that GC Biopharma has reached almost the same level as global companies. MVC will establish a system for local production with the transferred technology for manufacturing finished vaccines, with GC Biopharma supplying vaccine drug substances to MVC. The Taiwan flu vaccine is known to occupy a market size of approximately \$50 million. GC Biopharma will accelerate localization of vaccine production starting from Taiwan to expand market share in the global flu vaccine market.

GC Biopharma's goal is to establish global vaccine infrastructure based on its sophisticated vaccine technology and know-how accumulated for half a century.

Business Highlights [GC Cell]

Signing CDMO for Solid Cancer CAR-T for the First Time in Korea



GC Cell signed CDMO with CellabMED for production of CAR-T therapy targeting solid cancer, after finishing discussions on technology transfer and production in May, 2022.

It is performing production and quality test for investigational product Phase 1 clinical trial for CellabMED's CAR(Chimeric Antigen Receptor)-T therapy('YYB-103').

CAR-T requires technology to produce cell therapy, processes for gene manipulation and high-level technology to meet the manufacturing and quality standards. There has been no successful case yet for CDMO of investigational product solid cancer targeting CAR-T treatment in Korea. Challenge for the Development of Innovative New Drug Targeting T-cell Lymphomas



GC Cell added 'CT205A(CD5 CAR-NK)' into the pipeline in Jun, 2022 and signed an agreement to export technology for the treatment of T-cell lymphomas to Artiva Biotherapeutics (Hereafter Artiva), a US affiliate in Jan. 2023.

GC Cell will lead Phase 1 clinical trial in close cooperation with Artiva to meet MFDS and FDA guidelines. The two companies are planning to develop the cell therapy together by performing Phase 2 clinical trial separately in Asia and U.S. respectively. Since its manufacturing process is efficient compared to autologous CAR-T treatments, 'CT205A' with an independent CAR-NK platform is expected to be an innovative new drug for T-cell lymphomas and has less expected side-effects. The CAR-NK therapy (AB-201) of GC Cell-Artiva, FDA Phase 1/2a IND Approval



Artiva Biotherapeutics (Hereafter Artiva), one of our overseas affiliates, passed FDA's Phase 1/2a IND approval for 'AB-201' in Sep, 2022. CAR-NK, an allogeneic cord blood-derived treatment, targeting solid cancers such as HER2 overexpressed breast cancer and gastric cancer etc., is one of GC Cell's original technology-based pipelines for Natural Killer (NK) cell therapy that transferred to Artiva in 2020.

Additionally, there are other pipelines such as 'AB-101' whose Phase 1/2 is already ongoing in U.S apart from another CAR-NK cell therapy called 'AB-202'.

Especially, it is very remarkable to see that clinical trial has been approved for off-the-shelf CAR-NK targeting solid cancers since CAR-T cell therapy has been approved by FDA only in hematologic malignancy (in 2017) so far.

Signing CDMO for Stem Cell Therapy



GC Cell signed CDMO for stem cell therapy with AcesoStem Biostrategies in March 2023. This agreement was for CDMO of Mesenchymal Stem Cell (MSC) taken from the umbilical cord. As part of this contract, we will perform quality tests on processes such as manufacturing, warehousing and attribute analysis etc. over a period of approximately three years. Further, we are planning to perform freeze preservation and quality test to assess stability in the event of longterm preservation of cells.

GC Cell provides one-stop total services specialized in CGT CDMO business from production of hightech biopharmaceuticals to quality/analysis tests for processes such as ▲Production of raw materials for high-tech biopharmaceuticals ▲Production of various cells ▲Analysis through CDMO especially for CGT ▲Production of high-tech biopharmaceuticals for clinical trials/commercial use ▲Longterm warehousing and logistics for high-tech biopharmaceuticals.

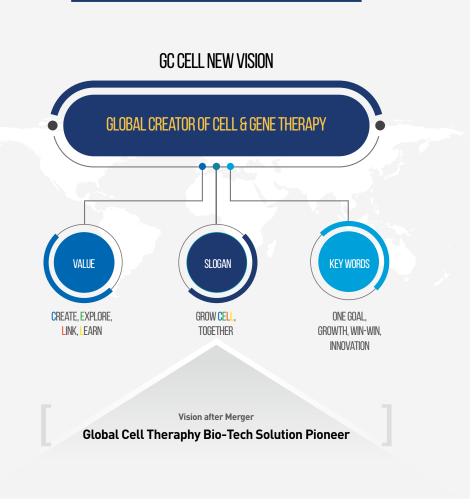
Business Highlights [GC Cell]

Announcing the Corporate Slogan with New Vision through the GC Cell Declaration Ceremony

GC Cell declared its new vision, 'Global Creator of Cell & Gene Therapy' to reinforce its position as a global top-tier CGT company with the inauguration of CEO, James Park at the vision declaration ceremony held in April, 2023.

In the ceremony, GC Cell shared with all executives and employees the meaning of four core values, which are the first letters of CELL: \triangle Create a healthier life for humankind \triangle Explore the road no one takes for enhancing health, safety and the environment \triangle Link best technology with precious human live \triangle Learn new things to become a sustainable company through ongoing R&D.





Business Highlights [Affiliates]

UBcare Presented 'Ysarang Kiosk' in KIMES 2023



UBcare participated in KIMES 2023 with the largest booth under the theme of 'Ysarang All New'. It presented 'Ysarang Kiosk' for the provision of all-in-one services from application, reception and print out of certificates by linking with 'NEW EMR' with a better interface. The menu and screen could be set to meet characteristics of each department and users' convenience. In particular, UBcare presented 'Doctorvice' a platform to manage chronic diseases, for the first time. Doctorvice manages, trains patients based on guidelines for treatment of chronic diseases, and helps them to claim health insurance fee and engage in two-way communication with doctors through the app. GCMS, Building a New Production Line for Powder-type Hemodialysate



GCMS, Korea's No. 1 producer of hemodialysate, is developing powder-type hemodialysate that offers better convenience compared to the present fluid-type, and plans to complete building a new production line for powdertype hemodialysate by the second half of 2023 at the new plant in Eumseong, Chungbuk. We are relying on imported powder type as of now but GCMS will be the first case in Korea if we can commercialize powder-type hemodialysate successfully. GC Wellbeing First Shipped Placental Injection 'LAENNEC' in New Plant at Eumseong, Chungbuk



GC Wellbeing first shipped placental injection 'LAENNEC' and vitamin injection 'Fursultamine' in the new plant located in Eumseong, Chungbuk. The new plant in Eumseong is a pharmaceutical production facility, the construction of which was started in 2019 and completed in June, 2021. A total of 11 injections and 12 CDMO products will be produced in the new plant. GC Wellbeing is planning to expand its injection market share based on its new, improved production capacity.

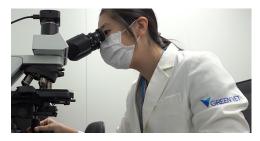
GC Care, 'Howcare', Received 'the Smart App Award 2022' in the Medical Sector



'Howcare', GC Care's personalized health care platform, received 'the Smart App Award 2022' in the medical sector. 'Howcare' provides personalized health care and customized healthcare services for a healthier lifestyle. Users can check their lifestyle patterns and habits based on body health records and take better care of their bodies on their own through customized recommendations.

Business Highlights [Affiliates]

Green Vet, Introducing a Digital Pathology System to Provide 7-day Report, which is Faster than Ever



Green Vet has changed biopsy trend by introducing a digital pathology system into the pet market in Oct, 2022. Green Vet Digital Pathology system can deliver sample information faster to users by way of uploading digital scan files into cloud. This also makes it possible to examine tissue clearly with high resolution files that are magnified up to 800 times. Mogam Institute for Biomedical Research, Reinforcement of Al-based new drug R&D



Mogam Institute for Biomedical Research signed a MOU with SNU AI and CHA Vaccine Institute etc. to develop new drugs in Nov, 2022. The Institute has grown into a new drug AI R&D Center and is striving to improve business capacity and secure talented researchers by relocating the R&D center from Yongin to Seoul. GC Labs, Opening ESAC, Endocrine Substance Analysis Center



GC Labs opened ESAC, the Endocrine Substance Analysis Center, for the first time in Korea in Jan, 2023. ESAC specializes in endocrine R&D laboratory to measure, analyze and perform R&D on various hormones, metabolites and endocrine disruptors etc. in order to contribute to the early diagnosis of endocrinopathy and precise measurement of metabolites.

New Start in 2023 at the New Workplace in Guseong Campus!



GC Guseong Campus is located in Giheung-gu, Yongin-si, Gyeonggi-do and GCMS, GC Genome, GCCL, Green Vet and Genes Laboratories moved in to the Campus on New Year day of 2023. GC Guseong Campus consists of: \triangle 2F- GCMS/Green Vet/Genes Laboratories \triangle 3F- GC Genome \triangle 4F-GCCL. There is a meeting room and cafeteria on 1F. A GYM has been set up on 5F for employees' wellbeing and healthcare.

SUSTAINABLE FUNDAMENTAL

- 22 ESG Management Strategy
- 23 ESG Management Implementation Framework
- 24 Materiality Assessment

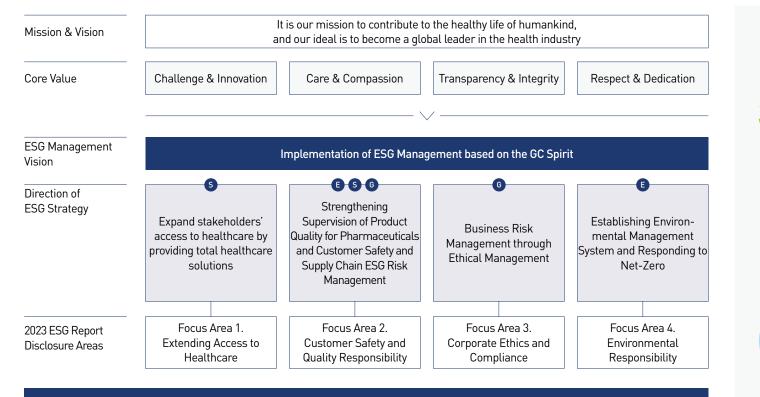


ESG MANAGEMENT STRATEGY

Direction of ESG Strategy

The ESG management strategy system has been established, based on Mission & Vision and Core Values that guide GC's management philosophy. GC Group has also established the strategic direction for fulfilling economic, social, and environmental responsibilities toward stakeholders and implementing ESG management.

GC's ESG Management Strategy System



GC ESG Commitment

Environmental

We protect the health of the company, society, and the earth through environmental management and safety and health management.

🔶 GC



As a good social companion, we perform our social responsibilities towards our customers, employees, and local communities.



overnance

We do our utmost to protect the rights and interests of our shareholders and stakeholders through responsible and ethical management.

GC performs ESG management based on its ESG Commitments.

ESG MANAGEMENT IMPLEMENTATION FRAMEWORK

Establishing an ESG Management System Centered on the Board of Directors (BOD)

To enhance ESG management strategy, GC operates an ESG management system led by BOD. Under the system, all affiliates under GC share the philosophy and policies of ESG management, discuss how to cooperate with each other for ESG management at the company level and make best efforts to incorporate ESG management into each affiliate. Each affiliate organization in charge of ESG management is also responsible for developing ESG management implementation plans and managing overall performance, identifying internal ESG risks and opportunities, managing data, disclosing ESG information and responding to external organizations etc. Further, the ESG management system shares ESG information with other affiliates responsible for ESG and relevant departments, and discusses and comes up with results regarding major agendas to implement each affiliate's ESG strategy through the Working ESG Council at GC Group level.

ESG Management Governance

| BOD ESG Management Council | Manage and oversee major ESG issues within and outside the organization Setting ESG management direction Regular discussion and immediate response through Management Council (Companies with Management Council : GC (Holding Company) GC Biopharma) |
|---|---|
| (Group level) Meeting with representatives | Monthly regular meeting held by the CEO of each company Discussion on how to cooperate with each other for major management agendas including ESG at group level |
| Executive Council (GC (Holding Company): Ex-Com, GC Biopharma: SLT, GC Cell: EC) ¹¹ | Monthly regular meeting held by the CEO and executives Discussion on major agendas for ESG and management of each company |
| (Group level) Working ESG Committee | Regular meetings held by each affiliate organization in charge of ESG management and relevant departments Discussion on major ESG agenda, sharing ESG information between relevant departments and mutual regulation |
| ESG Organization of GC (Holding Company) | ESG Management Organization Management of major external and internal ESG issues, collection and management of data, disclosure of ESG information and response to external organizations etc. |
| ESG Organization of each Affiliate | Reporting to Board of Directors and executives, supporting decision-making ESG Relevant Departments of Each Affiliate Implementation of ESG goals and strategy, management of ESG data |

1) GC (Holding Company): Ex-Com (Executive Committee), GC Biopharma: SLT (Senior Leadership Team), GC Cell: EC(Executive Committee)

MATERIALITY ASSESSMENT

GC's Major Issues in 2023

Collecting Feedbacks from Stakeholders

GC Group utilized contents by each communication channel to reflect relevant stakeholders' feedbacks regarding ESG issues through various communication channels such as surveys, interviews and written questionnaires.



Major Issues by Area

●●●●● 1.0~0.9 ●●●●○ 0.7~0.8 ●●●○○ 0.5~0.6

| ESG Sector | Depart Agenda | Report Agenda | Report Agenda GRI Index Cł | Characteristics | Impact | | Ta | arget | |
|-------------|--|------------------|----------------------------|-----------------|---------|---------|-------------|-------|--|
| ESG Sector | Report Agenda | GRI Index | of the Effect | Assessment | Economy | Society | Environment | Human | |
| | GHG Emission | 305-1~5 | Negative | ●●●○○ | | | V | | |
| Environment | Environmental Pollutants Emission | 303-4, 305-7 | Negative | ●●●○○ | | | V | | |
| | Waste Emission | 306-1~5 | Negative | ●●●○○ | | | V | | |
| | Strengthening Product Quality and Patient Safety | 416-1 | Positive | ••••• | | V | | V | |
| Seciety. | Expansion of Access to Pharmaceuticals | N/A | Positive | | | V | | V | |
| Society | Nurturing Pharmaceutical/Bio Talents | 404-1~2 | Positive | ●●●○○ | | V | | V | |
| | Management of ESG Risks in the Supply Chain | 308-1~2, 414-1~2 | Positive | ●●●○○ | | V | V | | |
| Cauranaa | Prevention of Unethical/Corrupt Behaviors | 205-1~3, 206-1 | Positive | ●●●○○ | ٧ | | | V | |
| Governance | Violation of Research Ethics | N/A | Negative | ●●●○○ | | V | | V | |
| Others | R&D Innovation | N/A | Positive | | V | V | | V | |

Issue Identification Process

GC determined the major issues through a four-step process in discussion with internal external stakeholders and experts by identifying the impact of each issue and performing Impact Materiality Assessment.

STEP. 1

Identification of ESG Issue Pool

- · Review GC Group's Business
- \cdot Coming up with overall ESG issues relevant to the company
- Review of Global Initiatives (SASB, MSCI, DJSI etc.), ESG issues and ESG Trends etc. in the same field.
- Prioritizing a total of 27 ESG issues with Simple Scoring

Identification of Each ESG Issue's Impact

STEP.2

- Definition of ESG issue's impact on economy, society, environment and humans.
- Identification of policy/legal requirements, suggestions by shareholders/investors, media analysis, etc.
- \cdot Developing criteria and questions for Impact Materiality Assessment

STEP.3

- Impact Materiality Assessment · Performing Impact Materiality Assessment on
- each ESG issue - Performing evaluation with stakeholders in-
- cluding SMEs and internal-external stakeholders (Feb, 1, 2023 – Feb, 7, 2023)
- Consideration of size, scale, reversibility and possibility of effects in overall.
- · Performing 3rd party review for the evaluation process

STEP.4

Selection of Major Issues and Reporting to the Board of Directors

- · Selection of material issues based on evaluation results
- \cdot Report results of material issues to the Board of Directors

MATERIALITY ASSESSMENT

Reporting Major Issues

Major Reporting Agenda and Focus Areas

GC Group defined four Focus Areas (ten major reporting agendas) among major reporting agenda based on the results of Materiality Assessment, based on which we will set issue management goals and plan the way forward for GC Group. Other ESG issues are open to General Disclosure.

| Foc | us Area 1. Extending Access | to Healthcare | | Focus Area 2. Customer Sal | ety and Quality R | Responsibility |
|---|--|--|------------------------------------|---|---|--|
| ociety itrengthening Access to ledicines | Others R&D Innovation | Society Nurturing Pharmaceutical/ Bio Experts | | Society Strengthening Product Quality and Patient Safety | Society Supply Chain E Management | |
| | | | | <text><text><section-header><section-header><section-header></section-header></section-header></section-header></text></text> | A series of the | W With the second s |
| | | | | Focus Area 4. Enviro | montal Posnanc | |
| Focu | ıs Area 3. Corporate Ethics a | nd Compliance | | | innentat Kespons | sibility |
| Governa | nce Gover n of Unethical/ Violatio | nd Compliance mance on of Research Ethics | Environment GHG Emission | Environment Environment Emission | nt | sibility Environment Waste Emission |

FOCUS AREA

.

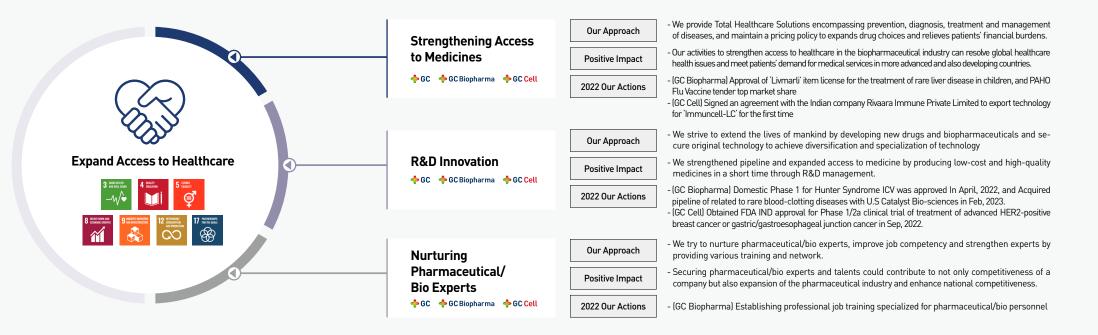
- 27 Area 1. Extending Access to Healthcare
- 40 Area 2. Customer Safety and Quality Responsibility
- 53 Area 3. Corporate Ethics and Compliance
- 65 Area 4. Environmental Responsibility

6

AREA 1. EXTENDING ACCESS TO HEALTHCARE

Management Approach

GC Group has expanded access to healthcare by establishing a strategy for strengthening access to healthcare at home and abroad, developing new drugs by R&D innovation and nurturing pharmaceutical/bio experts so that we could become a global leader in the healthcare industry and contribute to creating a healthier and happier life for humankind.



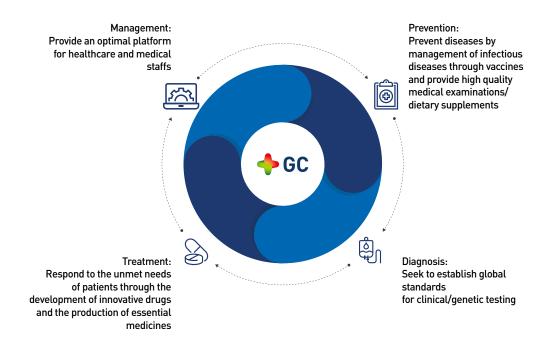
AREA 1. EXTENDING ACCESS TO HEALTHCARE Strengthening Access to Medicines

GC Group

Strategy for Expending Healthcare Pipeline

GC Group has made tremendous progress in improving patients' quality of life by developing treatments such as blood plasma-derived products, vaccines, medicine for rare diseases, chronic diseases and anticancer etc. We are working relentlessly to become a total healthcare solution provider covering areas such as prevention, diagnosis, treatment and management of diseases etc.

To Become a Total Healthcare Solution Provider



Entering the Global Pharmaceutical Market

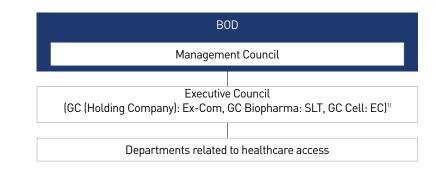
We are working to expand the scope of our business into the global market by establishing affiliates overseas, localization and R&D, and participating in relevant associations to improve R&D capacity. (Stored)



Governance to Control Access to Healthcare

Through regular meetings, each of our affiliates discusses agendas on stakeholders' access to healthcare, focusing on key decision makers at the C-level. For the agendas on investment strategy, R&D area, and sales market, which must be discussed in depth, these discussions are continued at the Board of Directors.

Healthcare Access Management System



1) GC (Holding Company): Ex-Com(Executive Committee), GC Biopharma: SLT(Senior Leadership Team), GC Cell: EC(Executive Committee)

AREA 1. EXTENDING ACCESS TO HEALTHCARE Strengthening Access to Medicines

GC Biopharma

Policy for Strengthening Access to Medicines

Since the foundation, GC Biopharma has been striving for drug sovereignty by nationalizing blood plasma-derived products and vaccines that have been dependent only on imports.

Also, we are striving to reduce the financial burden for patients suffering from rare diseases and offer a greater variety of choices by developing and supplying treatments for hemophilia and Hunter syndrome etc. Based on this business base, we have been supplying medicines such as treatment and vaccines to approximately 40 countries, not only in domestic but also in developing countries. GC Biopharma is establishing and selling various portfolios in the treatment and vaccine sectors to bring healthier life for more patients. We are preparing to create a better future by developing innovative drugs and establishing mRNA platform for rare intractable diseases.

Pricing

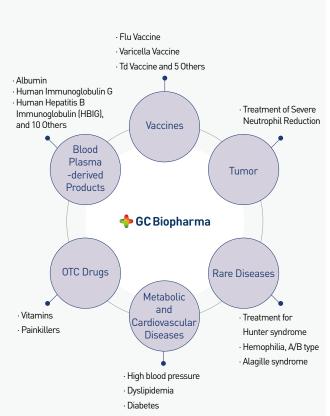
GC Biopharma with highest proportion of pharmaceutical products, is heavily affected by the domestic market where the sales price is determined by national drug pricing policy. On the other hand, price policy in export is established at a reasonable level in consideration of global pricing trends and financial impacts to supply essential medicines smoothly through bidding by international organizations and countries.

Through strong supports by decision makers and management's continuous discussions considering the economic and social aspects, GC Biopharma is successfully wining in bidding of the flu vaccines. As a result, we maintain No.1 market share in the flu vaccine market for bidding run by Pan American Health Organization (PAHO), under the World Health Organization (WHO).

Direction to Expand Market

GC Biopharma has operated its business domestically to support Korean people lead a healthy life so far. Based on this foundation, we have been diversifying overseas business centered around emerging markets, and achieved \$ 200 million for the first time in Korea phamaceutical industry in 2014 by enlarging export of blood plasma-derived products and vaccines. Not only that, we established local corporations in US and Brazil and are focusing on technology development and improving business competence to enter into the advanced market. Starting with the launch of immunoglobulin (IVIG), we enter into the U.S, the largest market for pharmaceuticals, and we promise to expand into the global market, through follow-up pipelines.

Medicines Access of GC Biopharma



Dedicated Organization

GC Biopharma establishes management systems centering around BOD to enhance access of healthcare for patients. If matters are decided as critical in sales of products, production, R&D and business strategy etc., they are presented to BOD and Management Committee which make decision through discussion. Responsible personnel with expertise in each sector manage critical issues at integrated all cooperate levels.



Performance for Healthcare Access

| Pricing Access Management | | (Unit : Items | | | | | | |
|---|------|---------------|------|--|--|--|--|--|
| Category | 2020 | 2021 | 2022 | | | | | |
| The Number of Target Items for Equitable Pricing Policy | 3 | 3 | 3 | | | | | |

AREA 1. EXTENDING ACCESS TO HEALTHCARE Strengthening Access to Medicines

GC Cell

Policy for Strengthening Access to Medicines

GC Cell has received approval from MFDS (Ministry of Food and Drug Safety) for 'Immuncell-LC' (Autologous T cell Therapy) as treatment for liver cancer (HCC) in 2007. The therapy remains the only treatment to prevent reoccurrence of the cancer for patients who underwent surgery for removing hepatocellular cancer. We are performing Phage 3 clinical trial for 'Immuncell-LC' with pancreatic cancer patients to expand the range of indications that can be treated with 'Immuncell-LC' so that we could improve quality of lives for cancer patients. We continue to conduct R&D for CAR-NK an allogeneic cell therapy product, to complement high-cost autologous cell therapies. We expect that these initiatives will enable us to supply cell therapy product for cancer patients worldwide at reasonable prices.

GC Cell is working to serve cancer patients with easier access to medicines by not only establishing its own capabilities to develop Cell and Gene Therapy (CGT) products but also internalizing the production and logistics system. In 2018, GC Cell built 'Cell Center', the largest plant for CGT in Korea, and also secured a production site in the United States, the world's largest CGT market by acquiring BioCentrig, a CGT CDMO company in the United States.

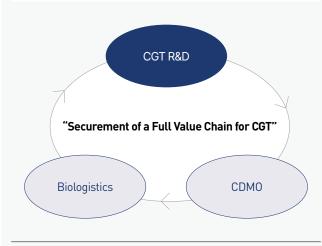
Through cold-chain bio-logistics services specialized for pharmaceutical, it has been contributing to the creation of better access to medicines for patients /subjects to medical institution by providing inland transportation and overseas import and export services of medicine/sample for clinical trials.

Direction for Enlarging the Export Market

With the establishment of Artiva, a local corporation in 2019, GC Cell is seeking market expansion through joint R&D utilizing infrastructure (manpower, partners, funds, systems, etc.) in the United States, a leading CGT market. In addition, considering the characteristics of 'Immunecell-LC', an autologous cell therapy, the direction of entering the global market was specified through technology export. As a result, in January 2022, Rivaara, CGT developing company in India, has signed a technology export contract. Based on the India contract, we plan to continue to advance into China and Southeast Asian countries.

Medicines Access of GC Cell

• Establishing a pipeline for various cell therapies • Licensing out CAR-NK cell therapy to MSD, a U.S pharmaceutical company (KRW 2 trillion)



Establishing a domestic transportation system that can deliver medicine within 24 hours

• Establishing a cold-chain system • Logistics service for export and import of bio products such as medicines,

diagnostic kits etc. Receiving orders from KDCA [Korea Disease Control and Prevention Agency] for domestic transportation for infectious substances for seven years in a row Having the largest plant for CGT production in Korea
 Experience in the production of com-

mercial cell therapy • Experience in CDMO of CGT

Pricing

To prevent cancer patients who need GC Cell's 'Immunecell-LC' from stopping or delaying treatment due to economic reasons, price competition is refrained from, and when price adjustment is necessary, management and society as a whole are reviewed to see if it is appropriate. Despite the increase in raw material costs and quality control costs due to global inflation, we have maintained the launch price without any increase so far through continuous work efficiency efforts to preserve the selling price.

Dedicated Organization

GC Cell's Meeting Committee organized by the CEO monitors the strategic directions and execution plans regularly for expanding access to healthcare, and presents major risks and matters for decisions to the Board of Directors for discussion and decision-making.

| Board of Directors | | | | | | | | | | | | | |
|---|---|---|----------------------------------|--|--|--|--|--|--|--|--|--|--|
| CEO | | | | | | | | | | | | | |
| CBM0 Division | CTO Division | CGT Division | BS/BI Division | CA0 Division | | | | | | | | | |
| Agenda | Agenda | Agenda | Agenda | Agenda | | | | | | | | | |
| Bio marketing activities Bio business strategy | Patents for medicines R&D Technology change | Operation of the CGT business GMP operations ODMO operations Management of supply chain | • Operating BS • Operating BL | Creating new business Major investments Management of regulations | | | | | | | | | |

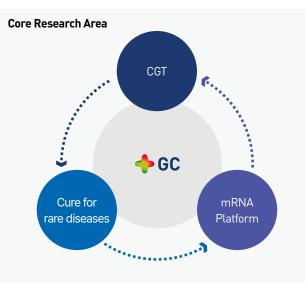
AREA 1. EXTENDING ACCESS TO HEALTHCARE R&D Innovation

GC Group

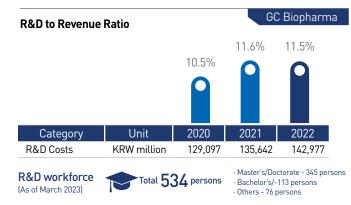
R&D Management

GC Group has been running business in blood plasma-derived products and vaccines. To secure a new growth engine, we are focusing on developing rare disease treatments in the field of therapeutics along with mRNA platform and CGT products. Even though the pharmaceutical industry can produce high added value in case of success in new drug development, it would require extensive investment over a long period of time (generally longer than 10 years) and comes with very small probability of success. Nevertheless, with our belief that R&D is the driving force for growth and source of future revenue, we have invested in R&D boldly and aggressively at the highest level in domestic industry. In addition to our extensive investment, we are also deeply focused on recruiting talented researchers and reinforcing their core capabilities for research.

GC Group will continue to grow into a leading life science company that realizes the healthy life of mankind through constant challenges and active investment in new drugs and biopharmaceuticals.









R&D Innovation Performance

| Healthcare P | atents, Domestic and Overseas | | | (Unit : Cases) |
|--------------|---|------|------|----------------|
| | Category | 2020 | 2021 | 2022 |
| Domestic | The Number of Registrations of Patent (Accumulated) | 11 | 10 | 10 |
| | The Number of Patent Applications | 1 | 1 | 2 |
| Overseas | The Number of Registrations of Patent (Accumulated) | 41 | 41 | 52 |
| | The Number of Patent Applications | 12 | 12 | 8 |
| | The Number of Voluntary Applications and Non-exclusive Patents/Products | 0 | 0 | 0 |





1) Modification of electronic disclosure business report standards

GC Cell

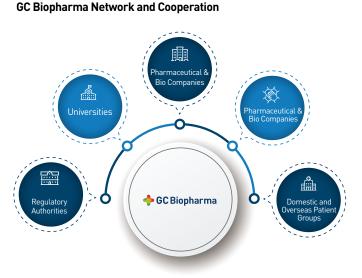
AREA 1. EXTENDING ACCESS TO HEALTHCARE R&D Innovation

GC Biopharma

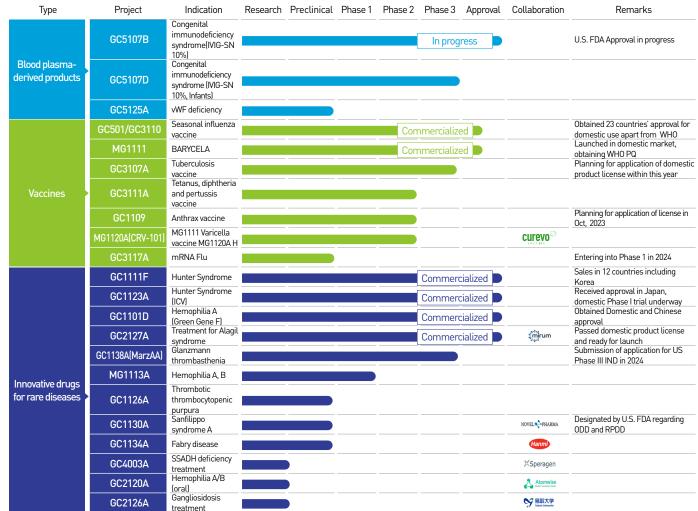
Strategy for Developing Innovative Drugs

GC Biopharma focuses on its corporate-level competence and resources to enter into advanced markets for blood plasma-derived products, developing premium vaccines and innovative drugs for rare diseases. To accelerate the development of innovative products and to develop customized innovative drugs for patients with unmet needs, GC Biopharma is developing plans to enhance internal R&D capability, and cooperating with partner companies, patient groups and medical institutes etc. We are performing open innovation in different ways such as listening to the voice of patient groups and reflecting it in clinical trial design stage in cooperation with medical institutions/regulatory authorities etc.

We will do our best to achieve greater heights as a global medicine & bio company by developing strategic products with competitiveness in advance.



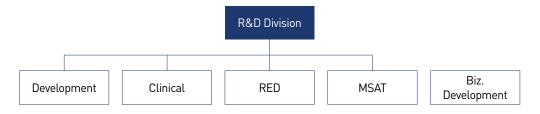
R&D Pipeline



AREA 1. EXTENDING ACCESS TO HEALTHCARE R&D Innovation

GC Biopharma

R&D Organization



Developing Global New Drugs for Rare Diseases

GC Biopharma is developing global new drugs for rare diseases to secure the next-generation growth engine. Domestic Phase I trial for Hunter Syndrome ICV was approved in April, 2022. Sanfilippo syndrome A was designated as ODD(Orphan Drug Designation)/RPDD(Rare Pediatric Disease Designation) in Jan, 2023 and domestic product license was obtained for Alagil syndrome treatment for childhood rare diseases in Feb, 2023. We acquired a pipeline of treatment for rare blood-clotting diseases with U.S Catalyst Bio-sciences in Feb, 2023 to accelerate the development of innovative drugs for rare diseases. In addition, we are concentrating on R&D for mRNA Platform as the next-generation new drug modality to become a global pharmaceutical company.

R&D Innovation Performance

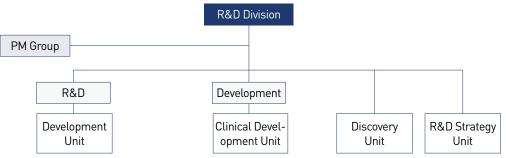
| Healthcare Patents, Domestic and Overseas (Unit : C | | | | | | | | | | | |
|---|---|------|------|------|--|--|--|--|--|--|--|
| | Category | 2020 | 2021 | 2022 | | | | | | | |
| Domestic | The Number of Registrations of Patent (Accumulated) | 56 | 69 | 72 | | | | | | | |
| | The Number of Patent Applications | 60 | 47 | 31 | | | | | | | |
| Overseas | The Number of Registrations of Patent (Accumulated) | 146 | 186 | 192 | | | | | | | |
| | The Number of Patent Applications | 233 | 274 | 286 | | | | | | | |
| | The Number of Voluntary Applications and Non-exclusive Patents/Products | 0 | 0 | 0 | | | | | | | |

GC Cell

R&D Pipeline

| Туре | | Project | Indication | Pre- clinical | Phase 1 | Phase 2 | Phase 3 | Approval | Collabo- ration | Remarks |
|--------------|---------------------|----------------------|---------------------------------------|------------------|---------|---------|---------|----------|--------------------|---|
| Autologous > | PBCIK | Immuncell -LC | HCC | | | | Commerc | ialized | | Renewed approval for high-end biomedicine (Aug. 2021) |
| | | ILC-P3-PAN | Pancreatic Cancer | | | | | | | Phase 3 clinical trial ir progress |
| | CAR-T | CT207A | Pancreatic Cancer | | | | | | | Process development, non-clinical tests |
| | CBNK | AB-101+ Rituximab | r/r B-cell Non Hodgkin Lymphoma | | | | | | artiva% | Phage 1/2 clinical trial in progress |
| | | AB-201 | HER2+Solid Cancers | | | | | | artiva | IND (US FDA) approval (Sep, 2022) |
| | CAR | AB-202 | B Cell Lymphoma | | | | | | artiva% | Process development non-clinical trial stage |
| Allogenic | -CBNK | AB-205 | T Cell Lymphoma | | | | | | | Preparing IND |
| | | MSD Projects | Solid Cancers | | | | | | 😌 MSD | Process development, non-clinical trial stage |
| | Stem Cell (TMSC) | CT303 | Psoriasis | | | | | | | Completing single dosing in Phase 1 clinical trial |

R&D Organization





GC Cell

Developing Global New Medicines for Cell. Gene Therapies

GC Cell is developing global new medicines in the field of cell-gene therapies focus on regenerative therapy using stem cell and anti-cancer immunotherapy with cells and its gene manipulation to treat rare an intractable diseases and thereby contribute to humankind.

We got FDA IND approval for Phase 1/2a clinical trial and designation as an ODD drug (by Artiva) of treatment for advanced HER2 positive breast cancer or gastric/gastroesophageal junction cancer as indications in Sep, 2022.

Phase 1/2a clinical trial of cord blood-derived allogeneic NK cell therapy (AB-101) and Rituximab for patients with B cell lymphoma have been designated as an expedited approval (fast-track) subject by the FDA and is being conducted.

We are also focusing on R&D to develop follow-up pipelines and platform technologies, such as finding candidates for CAR-NK treatment with MSD for solid cancer patients.

R&D Innovation Performance

| Healthcar | re Patents, Domestic and Overseas | (Unit : Cas | | | | | |
|-----------|---|-------------|------|------|--|--|--|
| | Category C The Number of Registrations of Patent (Accumulated) The Number of Patent Applications S The Number of Registrations of Patent (Accumulated) | | 2021 | 2022 | | | |
| Domestic | The Number of Registrations of Patent (Accumulated) | 10 | 15 | 19 | | | |
| | The Number of Patent Applications | 0 | 2 | 4 | | | |
| Overseas | The Number of Registrations of Patent (Accumulated) | 25 | 30 | 35 | | | |
| | The Number of Patent Applications | 11 | 16 | 6 | | | |
| | The Number of Voluntary Applications and Non-exclusive Patents/Products | 0 | 0 | 0 | | | |



EXTENDING ACCESS TO HEALTHCARE

Nurturing Pharmaceutical/Bio Experts

GC Group

Strategy for Nurturing Pharmaceutical/Bio Experts

GC Group provides various training and networking opportunities such as training courses, domestic/ overseas academic seminars and conferences etc. to help employees to adjust to the organization and work and improve work capability, and thereby nurture pharmaceutical/bio experts. In addition, the establishment of a smart-learning platform supports personalized self-directed learning based on digital curation.

Support for Acquiring Degrees and Certifications

All members of the GC are provided with a variety of training opportunities for competency development required for job performance, and selected members will have further opportunities to develop a higher level of competency through educational institutions at home and abroad. Especially, in order to foster next-generation leaders with professional competencies, we operate a system that supports employees in acquiring degrees and certificates. Members selected through the fair and transparent selection process can join the in-house MBA, domestic part-time MBA, master's and Ph.D. courses, and GC provides support with tuition fees for these courses, degrees, and certificates.

GC Group's Affiliate News

Training Program on Responding to Infectious Diseases for Developing Countries

Green Cross Laboratories (GC Labs) has implemented an ODA (Official Development Assistance) project by working with KOFIH targeting developing countries starting since 2021.

Three experts (Doctors and medical laboratory scientists) in Ethiopia and Tanzania had theoretical and practice training through the '2022 Jong-wook, Lee Fellowship Program Expert Course in Response to Infectious Diseases (Tuberculosis)' for three months from Aug to Dec, 2022. The GC Group will continue to expand its knowledge and develop its international cooperation capabilities to improve level of global healthcare.



AREA 1. EXTENDING ACCESS TO HEALTHCARE Nurturing Pharmaceutical/Bio Experts

GC Biopharma

Pharmaceutical/Bio Talent Development System

GC Biopharma has established a talent training system for defining duty/leadership to nurture talents systematically based on the necessary job competencies. Approximately 200 Subject Matter Experts (SMEs) from each division participated to define 60 job expert types and necessary job competencies, and established around 300 course profiles to improve job competencies. Further, based on analysis of individual talents, we set 7 job levels to improve effectiveness of training and advance performance to meet changes in organization and strategies. We are modeling competency details for leadership through the review of roles at each level, trend research and job interviews, and there are 13 courses for all employees. We hold a GC Biopharma leadership workshop once a year for approximately all 200 leaders(Above team manager level) gather together to discuss the company's strategy and direction, and improve leadership capability. Moreover, we provide around 18 on/offline onboarding training courses and conduct retention training after one year of joining the company in order to facilitate smooth onboarding and competency development of new employees. We also provide five organization culture courses to help new employees adjust better to the organization, develop competence and improve their quality of life. We establish individual competence improvement plans through self-development plan (DP) and provide better opportunities to become experts and leaders in their duty considering career development program (CDP). We monitor and develop this talent nurturing system in real time through the LMS(Learning Management System) System established in Success Factors.



GC Biopharma's Talent Development System

| Corp | orate Cul | lture | | | Leade | ership | | | Duty | | | | | | | | | | | | | | | |
|------|-------------------------|-------|---|--------------|---|-------------------|---------------------------------|---|---|---|--|--|---|-----------------------------------|---------------------|---|---------------------------------|-----------------------|-----------------------------------|--------------------------------|---------------------------------|---------------------|--------------------|---------------|
| | Workshops on site | | GC Bioph | narma Online | e Onboardin | ng Campus | | Basic Competence | | | DA | | | R&D | | | Production/Quality | | Sales/Marketing | | Management | | ht | |
| | | | Executive Leadership | candidates | Leadership for leaders in each | Future leaders | New employee OJT | 9 | Insight into the phar- maceutical business | Planning and writing documents | Insight into the phar- maceutical business | Statistical Action Learning | Pharma- ceutical Bio Big-data analysis | Interpreta- tion and use of | Research Academy | Clinical Devel- opment Academy | Common R&D Academy | Production Academy | Production/ Quality Academy | Sales/ Marketing Academy | Common Sales/ | Planning Academy | Finance Academy | HR Academy |
| on | | | Leader- ship fo team managers | s | | | Compulso- ry training | Knowledge in prod- ucts& diseases communi- cation and internal communi- cation and internal communi- skills | Using statistics programs | ng Basic tics statistics | statistical data | Develop Expert Academic | Planning/ BD Academy | Introductory job training | Quality Academy | Introductory job training | Introductory job training | Marketing Academy | Operation Academy | IT Academy | Introductory job training | | | |
| | | | | | New executives | h New ir | New heads in each part | Retention of new employ- | Interns OJT | | GC Biopharma Online University (Job Online Training) | | | | | | | | | | | | | |
| | | | | manager | | ees | | | | | | CoP(Community of Practice) Activities /(Learning Cloud e-Learning) | | | | | | | | | | | | |

AREA 1. EXTENDING ACCESS TO HEALTHCARE Nurturing Pharmaceutical/Bio Experts

GC Biopharma

Program to Improve Leadership

GC Biopharma conducts PLT (Pharma Leadership Team) meetings guarterly to establish companylevel strategic direction for particular agendas, and executives to enlarge insight through networking between executives. We support leaders to participate in the Korea Management Association (KMA) Executives' Breakfast Meeting, Leaders' Morning Forum and SERICEO (established by Multi Campus). Furthermore, we operate 1:1 language courses to improve global competence levels and also provide special invitational lectures by well-known speakers to help our executives develop knowledge in various areas such as history, culture, health and trend etc. Each year, executives and team leaders and part leaders are diagnosed for competencies and personal characteristics required for their roles. We provide debriefing and coaching sessions on the diagnostic outcomes to support leadership development based on self-evaluation and awareness and also conduct online/offline internal/external training and employee language program to improve leadership/global competence.

GC Biopharma's Leadership Diagnosis and Development Program



Support for Obtaining Degrees and Certification

All members of GC including contract workers are provided with a variety of training opportunities for the development of competencies required in their jobs, and selected members will have further opportunity to develop higher levels of competency through educational institutions at home and abroad. Especially, in order to foster next-generation leaders with professional competencies, we operate a system to support employees acquire degrees and certificates. Members selected through the fair and transparent selection process can join the in-house MBA, domestic part-time MBA, master's and Ph.D. courses, and GC provides support with the tuition fees. There are accumulated 38 persons who acquired MA/PhD/MBA from the beginning of 2006 to 2022 and there are 10 persons who are receiving this support as of May, 2023.

Selection Criteria and Performance

🔶 GC Biopharma

Qualification: Worked in GC Biopharma for more than five years, High performer (above E in average for more than three vears

· Evaluation Criteria: Dedication (in the past), Achievement of business strategy (In the future), Growth Potential (Individuals) Application Ratio: Master's/ doctorate course- 68.8%: External MBA- 31.2% (As of Dec. 2022)

Supporting MBA Course (Selection in 2 Tracks)

🔶 GC Biopharma

Executive candidates: Selecting candidates through a selection process to meet the immediate business strategy · Team manger candidates: Selecting candidates for the internal MBA (persons with good academic performance) to retain important talents

Scope of support for Master's/Doctorate degree (Based on Division)

2022 ~ 2023 2024 After 2025 **R&D** Division Expanding Production Division

Expanding Entire Division

AREA 1. EXTENDING ACCESS TO HEALTHCARE Nurturing Pharmaceutical/Bio Experts

GC Biopharma

Training Hub to Nurture WHO Global Bio Talents

In July 2022, GC Biopharma conducted the '2022 Basic Training for Vaccines and Biopharmaceutical Production Processes' hosted by the International Vaccine Institution(IVI). As South Korea was selected to be the WHO's global bio-manpower training hub, 29 persons from 10 countries were invited to visit GC Biopharma's R&D sites to share know-how on vaccine development. We had an opportunity to present the development and production processes of the flu vaccine, our



signature product, and to share various pipelines and vaccine development experiences.

Assessment on the Effectiveness of Training

We operate a feedback process regarding the operation of training, lecturers and appropriateness of the training environment by conducting satisfaction survey for all employees. The before-and-after evaluations measure improvement level of job training and if necessary, we regularly check effectiveness of the training course through action learning after the training. We strengthen application level on site through evaluating and developing teaching plans and simulation training.

GC Biopharma's Evaluation Steps for Training

| Classification | Step 1 | Step 2 | Step 3 | Step 4 |
|----------------|----------------------------|---|-------------------|--|
| Measurement | Reaction | Learning | Behavior | Result |
| Criteria | Training Satisfac- tion | Improvement in Knowledge/ Technology/Attitude | Behavioral Change | Impact on Organization's Performance |

| Effectiveness of Training | (Unit : Point) |
|---------------------------|----------------|
| Classification | Score |
| Training Satisfaction | 4.6 (Out of 5) |

Trend of Education and Training

Job expert course in GC Biopharma is operated as a compulsory training, and its completion rate is 100% as of 2022.

Employee Education and Training¹¹ 2020 2021 2022 Classification Unit Total Education/Training Hours for Hour 63.534 81.229 105.651 **Executives and Employees** Average Annual Education/Training Hours for 37.1 45.9 Hours/ 30.6 **Executives and Employees** Persons Average Education/ By Gender Male 27 33 39 Training Hours per Female 43 49 48 Executives and By Job Sales/Marketing 25 31 34 Employees Category Development 45 46 70 Manufacturing 28 37 34 Total Education/Training Costs for KRW 1.667 1.934 2.732 Executives and Employees²¹ million Average Annual Education/Training Cost for KRW 0.8 0.9 1.2 **Executives and Employees** million /Persons Executives and % Ratio 100 100 100 Employees **Executives and Employees Receiving** 2,076 2,187 2,302 Persons Education Education/Training /Training ratio Total Executives and Employees 2.076 2.187 2.302

1) Value excluding statutory training and GMP quality training 2) Base on a Financial Statement.

AREA 1. EXTENDING ACCESS TO HEALTHCARE Nurturing Pharmaceutical/Bio Experts

GC Cell

Talent Development System

GC Cell is currently conducting various educational programs to cultivate talents with the necessary competencies for the business. Hierarchical education is systematically implemented to develop suitable competencies for different roles, including new executives, managers, middle managers, and team members. For strengthening R&D capabilities, job-specific training consists of foundational statistics/DoE/QbD courses and Bio Project Management courses. In the Bio Services business sales organization, role-based training is conducted for team members, sales managers, and branch managers to enhance their skills. In addition to talent development education, mandatory legal training and opportunities for self-directed learning through unlimited online courses are provided as common education. Furthermore, we offer virtual English education to foster global competencies.



Program for Strengthening Leadership

GC Cell performs annual executive training to improve leadership. We try to make positive changes in the executive group at corporate level through expanding awareness of sustainable growth and development. Furthermore, we are conducting leadership training for Unit managers and team managers, competence training for middle managers and team members above L3 and heads of sales office, and training for prospective heads of sales office.

Support for Taking Degree

GC Cell operates a system to support employees in acquiring degrees and developing R&D capabilities. Through this, we have been able to suggest a growth vision for our current researchers. We strive to strengthen organizational competence by nurturing talented researchers as experts in their fields, retaining talented R&D personnel and conducting R&D for relevant technology.

Effectiveness of Training

We try to enhance course of training through satisfaction surveys, and the feedback is reflected in the next training. In terms of training for leadership in the bio service industry, lecturers deliver a presentation on relevant topics and share insights with the participants, and the responsible persons give feedback.

In the satisfaction survey conducted in the first half of 2023, improvement in job competence had the highest points, while understanding of training contents had the lowest, which will be reflected in next training course.

| Effectiveness of Training | (Unit : Point) |
|-------------------------------|-----------------|
| Classification | Score |
| Improvement in job competence | 80 (Out of 100) |

Trend of Education and Training

Employees Education and Training

| (| Classificat | ion | Unit | 2020 | 2021 | 2022 |
|-------------------------------------|---------------------------------------|------------------------------|----------------------------|-------------------|--------|--------|
| Total Educat Executives a | | 5 | Hours | 12,801 | 28,494 | 27,705 |
| Average Ann Hours for Ex | | ion/Training nd Employees | Hours/ Persons | 28.8 | 35.7 | 33.1 |
| Average | Ву | Male | | 29 | 38 | 33 |
| education/ | Gender | Female | | 29 | 31 | 33 |
| Training Hours per Executives | By Job Category | Sales/ Marketing | | 29 | 39 | 29 |
| and | | Development | | 29 | 42 | 54 |
| Employees | | Manufacturing | | N/A ^{2]} | 25 | 32 |
| Total Educat Executives a | | 5 | KRW million | 48 | 141 | 202 |
| Average Ann Cost for Emp | | ion/Training | KRW million/ Persons | 0.1 | 0.2 | 0.2 |
| Executives | Ratio | | % | 100 | 100 | 100 |
| and Employees Education/ | Executives Receiving I Training | and Employees Education/ | Persons | 445 | 799 | 838 |
| Training Ratio | Total Exec Employee | cutives and es | - | 445 | 799 | 838 |

1) The value is adjusted from KRW to KRW one million for unification of the units used by each affiliate

2) Prior to merger in 2021, no subject to evaluation

EXTENDING ACCESS TO HEALTHCARE Nurturing Pharmaceutical/Bio Experts

GC (Holding Company)

Pharmaceutical/Bio Talent Development System

GC (Holding Company)'s Employee Competency Improvement Program focuses on developing future leaders proactively, in consideration of business direction and characteristics. To this end, we focus on the development of employee competencies and their careers, and operate various training programs for our employees, including the leadership capability development and executive strategy workshops.

Operation of Degree and Certificate Support System

All members of the GC (Holding Company), including contract workers, are provided with various development programs for each life cycle based on the talent development system to develop their capabilities, careers, and leadership capabilities. In addition, we operate a degree and certificate acquisition support system as well as educational opportunities to develop high-level capabilities through domestic and foreign universities and professional educational institutions for those recommended by excellent personnel.

Leadership Capability Development

Each year, executives and team leaders are diagnosed for competencies and personal characteristics required for their roles. We provide debriefing and coaching sessions on the diagnostic outcomes to support leadership development based on selfevaluation and awareness.

Trend of Education and Training

Employees Education and Training¹¹

| Clas | sification | 1 | Unit | 2020 | 2021 | 2022 |
|---|--|--------|-------------------|-------|-------|-------|
| Total Education/ Executives and E | | | Hours | 5,301 | 5,100 | 5,824 |
| Average Annual Hours for Execu | | | Hours/ Persons | 32.1 | 34.9 | 35.7 |
| Average Education/ | By Gender | Male | | 32 | 34 | 34 |
| Training Hours per Executives and Employees | Uender | Female | | 29 | 32 | 31 |
| Total Education/ Executives and E | 5 | | KRW million | 156 | 162 | 179 |
| | Average Annual Education/Training Cost for Executives and Employees | | | | 1.1 | 1.1 |
| Executives and Employees | Ratio | | % | 100 | 100 | 100 |
| Education/ Training Ratio | Executive Employe Receiving Educatio | es | Persons | 165 | 146 | 163 |
| | Total Exe and Emp | | _ | 165 | 146 | 163 |

GC(Holding Company)'s Talent Development System

36Hours

| Corp | rporate Culture Future Leaders H | | | Hier | Hierarchical Leadership | | | Duty | | | Global | | | | Common | | | | | | | |
|------------------|----------------------------------|-----------------------------|---------------------------|-------------------------|------------------------------|--------------------------------------|-----------------------------------|---|---|-----------------------------|----------------------------|----------------|-----------------------------|-------------------------------------|----------------------------|----------------------------|---------------------------------|---------------|-----------------------------------|-------------------|------|------|
| | | | Future Execu- tives | | Executive Candi- dates | Special lectures for execu- | exec compe (Lead | incing cutive etencies ership osis, 1:1 | New Ex- ecutives Course | | | | | Al | One- on-one coaching | | Reserve expatri- ates | | | | | |
| Vision / Core | Working | Commu- nication Work- | In-house ventures | M.A., Ph.D., Man- | | tives | | hing) | | Cafet ria-st job | yle + | On- the-job | In-house instruc- tor | digital com- petency rein- | | In-house language | | e-Acade my | Special lectures on liberal | Legally manda- | | |
| Values | Values method Wo | | method | od Work- shop | GC MBA | agement Strategy | Team Leader Candi- dates | Rein- force- ment of team leader compe- tencies | Cus- tomized training by position | Intro- ductory course | On- boarding program | traini | 'ng ^{ti} | raining | training course | force- ment training | Intensive language course | course | Global experts | my | arts | tory |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | hc | nual ave ours for e | | | | | | exe | nual av ecutive | | | | | | _] \ | The num smart-le | earning | | | | |

KRW 1.1 million

- - -

for application

2,900courses(42,000contents)

| | 5 | , | |
|------|---------|--------|----------|
| Effe | ctivene | ess of | Training |

1) Including contract jobs

Training Effectiveness (Unit : Point) Classification Score Field Application of Training 4.6(Out of 5)

AREA 2. RESPONSIBILITY FOR CUSTOMER SAFETY AND QUALITY

Management Approach

We promote ESG management focusing on GC Biopharma and GC Cell with special attention to our responsibility for customer safety and quality. We recognize the responsibility for the safety and health protection of all stakeholders, including customers and patients, and thoroughly perform risk prevention activities in advance to achieve quality safety assurance and a sustainable supply chain.



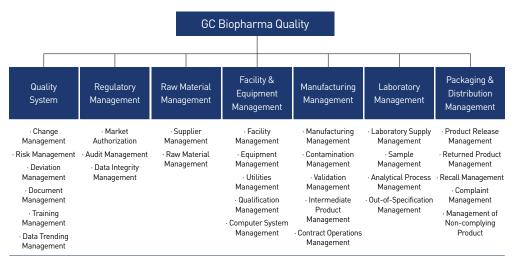
GC Group

Pharmaceutical Quality Management System

It is an essential factor for corporate sustainable growth to provide high quality products and services to customers. In the pharmaceutical industry, quality and safety management of pharmaceuticals is the most important matter since this is directly connected to public safety, health and life. GC Biopharma established the CQM (Corporate Quality Manual), which defines standardized quality levels in an effort to secure the quality system in the production stage for all products and services in regard to quality, efficacy and safety factors and to meet domestic and international regulations. All affiliates in the GC Group comply with this manual to define all responsibilities of quality management when providing products and services.

GC Group's quality strategy is to focus on sustainable quality and regulations by performing oversight and regular checks of the quality system, quality performance and quality management learning culture. The Group learns and implements quality control in order to secure the safety of customers and ensure the overall safety and sustainable supply of products and services. We strictly conform to quality standards and the Group's own policies and procedures to identify, measure, control and maintain superior quality.

GC Biopharma Corporate Quality Policy (CQP)



Quality Policy

We deliver reliable products and services to customers by establishing a quality system that ensures quality, efficiency and safety in compliance with domestic and international regulations.

Quality Management Governance

Those responsible organization for quality management in GC Group operate independently and plan, approve, implement and monitor all activities for all systems.

The quality management organization is responsible for establishing standards to ensure that manufacturing, tests, releases and distribution of all products and services adhere to regulations. The organization dedicates its best efforts to continuously meet and improve GxP¹¹. Furthermore, it helps employees to perform their duty effectively and correctly by providing them adequate and continuous GxP training. It ensures that all employees receive necessary training and it administers job qualifications through job qualification tests to determine whether workers are suitable for relevant jobs and to monitoring effectiveness of training.

1) GxP (Good X Practice) is a good practice that applies to various industries such as in pharmaceutical industry and medical devices industry, and X can be applied with various concepts such as M (Manufacturing), S (Supplying), C (Clinical), and L (Laboratory).

Quality Management Certification (GMP Certification)

| Classification | Certificate Type | Pharmaceutical Manufacturing Plant | | | |
|-----------------------|------------------------------|---|--|--|--|
| Ministry of | Pharmaceutical Manufacturing | GC Biopharma (Ochang Plant, Hwasun Plant, Eumseong | | | |
| Food and | and Quality Control | Plant), GC Cell (Cell Center), GC Wellbeing (Eumseong | | | |
| Drug Safety (MFDS) | | Plant), GCMS (Eumseong Plant) | | | |
| | Health Functional Foods | GC Wellbeing (Seongnam Plant) | | | |
| | In Vitro Diagnostic Medical | GCMS (Eumseong Plant) | | | |
| | Devices | | | | |

GC Biopharma

Quality Management Strategy

GC Biopharma has established its overall quality mission and vision as stated below.

- Quality Mission: Customer satisfaction through good pharmaceutical quality
- ▶ Quality Vision: Leading the healthcare industry through continuously Quality Culture improvement

The Quality Vision will not be achieved without active effort. To meet the diversity of international requirements, GC Biopharma can cooperate with local companies and achieve vision through their expertise and help. Also, investment in talented human resources and advanced technology are essential requirements for sustainable growth. Therefore, GC Biopharma seeks to improve Quality Management Maturity to ensure the quality, effectiveness and safety of products and to establish a high-level Quality Plan according to its global business strategy. In addition, we continue to improve our quality management system that encompassing approximately 30 categories of Quality Policies including R&D, raw materials, process, and distribution with the objective of providing high-quality medicines for patient.

Emergency Planning/Mitigation Control System

GC Biopharma has established its business continuity plan based on the 4M 1E perspective to sustainably provide necessary medicines for patients.

The 4M 1E Perspective

· Man: Securing back-up operators

🔶 GC Biopharma

- · Materials: Minimizing risks in the supply chain for raw materials by securing dual vendors
- Machinery: Securing manufacturing and analysis equipment and back-up warehouses. Locating
 the data storage server far from the original data server
- Method: Manufacturing drugs in multiple manufacturing sites inside GC Biopharma or referral to an external company, CMO(contract manufacturing organizations).
- Environment: Prevention of blackouts through UPS (Uninterruptible power supply) and ESS (Energy storage system) and emergency generator etc.

Quality Management System

GC Biopharma's quality management system is in accordance with ICH Q10, which covers ISO 9001:2015, classified into the 7 categories shown below. The quality management system maintains all equipment and system during the GMP production. EDMS (Electronic Document Management System) is operation to create, approve and archive GMP documents. Also, regular inspections are conducted on the overall production process and quality control by regulatory authorities in domestic and overseas exporting countries.

Scope of Quality Management

💠 GC Biopharma

- Quality System: Change management, risk management, deviation management, document management, training management and data trending management
- Regulatory Management: Market authorization, audit management and data integrity management
 Raw Material Management: Supplier management, raw material management
- · Facility & Equipment Management: Facility management, equipment management, utilities management, qualification management and computer system management
- Manufacturing Management: management, contamination management, validation management, intermediate product management, contract operation management
- Laboratory Management: Laboratory supply management, sample management, analytical process management and out-of-specification management
- Packaging & Distribution Management: Product release management, returned products management, recall management, complaint management and management of non-complying product

Risk Management Process for the Quality Management System



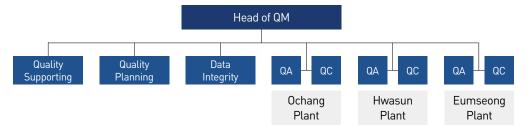
GC Biopharma

Quality Management Organization

All quality management are independent from production organizations and free from intervention and profit-interests in GC Biopharma, and they make the final decisions in accordance with GMP regulations and such decisions cannot be dismissed by any other organization.

Quality assurance (QA) and quality control (QC) organizations are separated by their functions. QA decides whether to release raw materials, in-process materials, bulk products and drug products, reviews and approves all processes and records. We perform trend analyses for aseptic process facilities based on incubation results though environmental monitoring. QC evaluates the appropriateness of raw materials and products, and creates data to assess whether a manufacturing process has been performed well to meet specifications and standards. QC creates data to assess whether a manufacturing process has been performed well to meet specifications and standards. GC Biopharma employs quality personnel with expertise in biosciences and biotechnology, more than 10% of whom have M.A and Ph.D. degrees, to provide safe medicines for patients. QC conducts quality control testing on all samples throughout the production process, including raw material, in-process materials, bulk products, drug products, and stability test samples at its own facility. Also we identify and mitigate any risk associated with the quality for the entire life cycle of a product from development, market approval, release and distribution.

GC Biopharma Quality Management Organization



Quality Management Certifications (GMP Certifications)

Based on the regulations and guidance of the Korea Ministry of Food and Drug Safety (MSDS), WHO (World Health Organization), the U.S. Food and Drug Administration (FDA), European Medicine Agency (EMA), Japan Pharmaceutical and Medical Devices Agency (PMDA), and China National Medical Products Administration (NMPA), we fulfill our mission and responsibilities in ushering in healthier lives of human kind by development and production of high-quality, effective and safe drugs.

Domestic and Foreign Regulations on Pharmaceutical Manufacturing

| Domestic | Overseas |
|---|---|
| · Pharmaceutical Affairs Act | \cdot U.S.: The Food, Drug, and Cosmetic Act, the Code of Federal Regulations |
| Regulation on the Safety of Phar- | \cdot EU: European Medicine Agency Pharmacovigilance legislation (Regulation (EU) |
| maceuticals, etc. | No 1235/2010, Regulation (EU) No 1027/2012, etc.) |
| Bioethics and Safety Act | \cdot ICH (The International Council for Harmonization of Technical Requirements |
| · Personal Information Protection Act | for Pharmaceuticals for Humans) |
| · Occupational Safety and Health Act | · World Health Organization Guidelines |
| · Serious Accidents Punishment Act | $\cdot{\sf GMP}$ (Good Manufacturing Practice) regulations of each country and enforcement decrees, enforcement rules, public notices, guidelines, etc. |

Foreign GMP Certifications

| Classification | Type of Certification | Countries and Institution |
|----------------|-----------------------|--|
| Ochang Plant | Drug products | 31 Countries: Dominican Republic, Russia, Malaysia, Mongolia, Mexico, Vietnam, Belarus, Bolivia, Brazil, Syria, Argentina, Algeria, Uruguay, Iraq, Iran, Egypt, India, Indonesia, Japan, China, Kazakhstan, Cambodia, Kenya, Colombia, Thailand, Tunisia, Pakistan, Paraguay, Peru, Philippines, Turkey one Institution: WHO |
| Hwasun Plant | Drug products | 12 Countries: Taiwan, Malaysia, Vietnam, Ukraine, Iran, Indonesia, Thailand, Colombia, Philippines, Brazil, Argentina, Saudi Arabia one Institution: WHO |

GC Biopharma

Conducting Quality Tests on Products to Quality Safety

GC Biopharma conducts quality control testing on all samples throughout the production process, including raw material, in-process materials, bulk products, drug products, and stability test samples at its own facility. Also we identify and mitigate any risk associated with the quality for the entire life cycle of a product from development, market approval, release and distribution.

We secure analysis method and data reliability through Analytical Method Validation and ensure data integrity through LIMS (Laboratory Information Management System).

We have performed tests 180,000 times, with 1,800 of test methods and 800 kinds of testing equipment, and maintained the OOS at less than 0.05%.

Test methods can be categorized into physicochemical tests, biochemistry tests, instrumental analyses, and microbial and animal tests. Physicochemical tests are performed in accordance with general tests in pharmacopoeia, national regulations such as USP, EP and KP etc., and biochemistry tests are performed with product-specific protein analysis and antigen analysis, etc..

Test facilities and equipment including constant temperature/humidity chambers use in stability studies, are classified/validated in accordance with USP 1058(Analytical Instrument Qualification) and continuously monitored to maintain an optimal condition for testing. We also provide safe medicines for patients by evaluating elemental impurities in products in accordance with ICH.

| Safety Tests for Products | | | | | |
|---------------------------|-----------------|--|-----------------|------|---------|
| | Classification | | 2020 | 2021 | 2022 |
| QC Test | Number of Tests | | Open Since 2022 | | 180,000 |

Impact Assessments¹¹ of Products and Services

| | Classification | Unit | 2020 | 2021 | 2022 |
|--------------------|---|------|------|------|------|
| Impact Assessment | Ratio | 100 | 100 | 100 | |
| on Health & Safety | The Number of Products That Completed Impact Assessments on Health & Safety | | 254 | 239 | 213 |
| | Total Number of Products/Services | | 254 | 239 | 213 |

1) Biological products are managed through the quality organization's quality assessment and assurance process, and then the product shipment approval process after passing KFDA national inspection. General products are managed by the quality organization's quality assessment, assurance and shipment approval process.

Quality Management Training

GC Biopharma's employees (including regular employees and interns) and the employees of its partners (including contract workers, consultants, etc.) complete a course including important training for each site and mandatory GMP training after completing the introductory training. After that, they obtain qualifications through job training to perform their duties. Employees are also responsible for maintaining 100% of the qualifications required for their job. The learning status of employees is monitored by the employees themselves, their supervisors and the GMP system and if they cannot complete training, they are restricted from performing work since they are deprived of GMP qualification.

Training is conducted in various forms, including document reading, quizzes, on-the-job training, e-learning and training guided by lecturers. New employee training, periodic training and process change training programs help employees perform their duties properly. We also develop an annual training plan to define/develop employee capabilities.

As of 2022, there were 5,200 courses for approximately 500 major job positions, which are managed through the Learning Management System. Records and results of all training programs are archived to use as an evidence for regulatory and client audit.

GMP Trainings (Annual) in 2022

| Title | Training Target | Target | No. of Course Completions | Completion Rate |
|------------------------------------|----------------------------|------------------|---------------------------|-----------------|
| GMP Regulations | | 2,814 Persons | 2,814 Persons | 100% |
| Quality System | | 1,316 Persons | 1,316 Persons | 100% |
| Data Integrity | | 1,878 Persons | 1,878 Persons | 100% |
| Sampling | Employees and Partners' | 1,299 Persons | 1,299 Persons | 100% |
| Manufacturing Process | Employees | 247 Persons | 247 Persons | 100% |
| Sanitation | | 336 Persons | 336 Persons | 100% |
| Microbiology | | 1,116 Persons | 1,116 Persons | 100% |
| Aseptic Process | _ | 336 Persons | 336 Persons | 100% |
| Job Training in Each Department | - | 7,109 Persons | 7,109 Persons | 100% |

GC Biopharma

Good Distribution Practice (GDP)

It is essential to quality control not only in production but also in distribution to provide safe medicines for patients. In particular, biological drugs are sensitive to temperature and require more attention and therefore we perform validations mandatorily. GC Biopharma delivers medicines to patients safely based on know-how accumulated over four decades about the Global Cold Chain, establishing its own logistic centers and system. We have redundancy of logistics warehouses in case of emergency, and real-time conditions in the logistics chain including temperature is monitored through our integrated control system based on ISO27001[Information Protection Management System]. We were selected as national logistic provider in 2022 to take the lead in overcoming the environmental difficulties caused by pandemics.

PV System

GC Biopharma maintains a PV system, including a safety database, based on global standards. We also maintain the PV System Master File (PSMF) in accordance with the European GVP (Good Pharmacovigilance Practice). GC Biopharma established an advanced PV system in 2016 by adopting the Oracle Argus Safety Database, upgraded it to the latest version and performed suitability and verification processes for requirements and performance. Our verified safety database adheres to ICH E2B (R3) and supports a smooth and speedy process for submitting each stability report.

Organization Specific to Pharmacovigilance

GC Biopharma has its own organization specifically dedicated to pharmacovigilance, which monitors and analyzes safety information over the entire life cycle from drug development to marketing after approval.

PV Agreements

GC Biopharma signed agreements for exchanging safety information/PV with domestic and overseas partners who may have been aware of our safety information and to collect safety data from all over the world. We check the timely delivery of safety information and compliance with government reporting through regular reconciliations with partners and we regularly check the pharmacovigilance in each country. We also enhance regulatory intelligence by obtaining information from regulations on PV in each country through overseas partners to respond to the requests of overseas regulatory affairs in a timely manner. In cases where we submit individual safety information reports, recent safety reports and risk management plan for drugs etc., GC Biopharma provides relevant data to partners that are global authorizers of products to comply with the regulations in each country. In cases where there are safety issues, we support overseas partners to take necessary measures in a timely manner.

PV Audits

GC Biopharma performs internal audits regularly to assurance the high-quality of PV. In cases where there is room for improvement, we analyze root causes and perform corrections, prevention and maintenance measures and establish appropriate processes and systems for PV.

Benefit and Risk Assessments

GC Biopharma searches for clues based on the frequency and predictability of safety information accumulated in the safety database, analyzes and evaluates a product's benefits and risks regularly and reports the latest comprehensive safety report to regulatory affairs. We also do our utmost to ensure the safe use of products by establishing and implementing risk management plans designed to minimize product risks.

GC Biopharma

Safety Information Management

GC Biopharma collects safety information through an unplanned collecting system, including voluntary reports, academic papers and governmental reports, or through a planned collecting system including non-voluntary or observed research, etc. in order to ensure the safe use of its own drugs, vaccines and medical devices. The PV audit team manages the routes for collecting safety information and performs regular reconciliations to ensure that all information is sent to the team. All collected data are accumulated in the safety database through standardized collecting and processing procedures, which includes inputting data, comparison with original data, medical coding, medical assessment and final approval by the safety manager.

Policy on the Responsible Marketing of Medicines

GC Biopharma provides medicinal information based on science and complies with all relevant regulations. This policy is stipulated in the Code of Conduct and Code of interaction with Healthcare professionals (HCP).

Audit Process for the Marketing for Medicines



Training for Personnel in Charge of Marketing Medicines

GC Biopharma conducts interaction training with HCP once a year for personnel in sales, marketing, etc. in contact with HCP.

Violation of Relevant Marketing Regulations on Products, Services, Labelling etc.

| | Classification | Unit | 2020 | 2021 | 2022 |
|-----------|---|-------------|------|-----------------|-----------------|
| Violation | The Number of Actions That Led To Raids, Seizures, Arrests or Criminal Charges Involving Counterfeit Drugs | Cases | 0 | 0 | 0 |
| | Total Monetary Losses Due To Lawsuits Related To False Marketing | KRW Million | 0 | 0 | 0 |
| | Cases Where A Fine Or Punishment Was Imposed for Violating Regulations | Cases | 0 | 0 | 0 |
| | The Number of Warnings Due To the Violation of Regulations | | 0 | 0 | 0 |
| | The Number of Violations of The Voluntary Code | | 0 | 4 ¹⁾ | 1 ^{2]} |

1)This can be found in the announcement on recall of medicines/medical devices (GC Biopharma website) (Target: Woohwangchungsimwon Suspension, Cell-culture Japanese Encephalitis Vaccine Inj. Neo Cande, Hyalobarrier Gel Endo)

2) This can be found in the announcement on the collection of medicines/medical devices (GC Website) (Target: Tirano Gold Plus Chewable Tab.)

PV Training

All employees of GC Biopharma complete PV training within two months of joining the company and complete refresher training sessions more than once a year, and fulfill their duties to report to PV team once they recognize safety information. Also, those whose jobs are highly relevant to safety information may undergo additional PV Training in non-contact or contact forms, to ensure that data can be fully reported to the PV team.

GC Cell

Quality Management Strategy

In the manufacturing stage, GC Cell conducts quality control activities encompassing all process, including facilities and equipment, workers, resource management, sampling, test results, product release, and complaints processing, and GC Cell ensures quality and safety in accordance with the Advanced Biopharmaceutical Manufacturing and Quality Control Standards and Pharmaceutical Manufacturing and Quality Control Standards.

Quality Management System

GMP document hierarchy consists of the Quality Manual, Quality Standards, Managing Standard Operation Procedures and Working Standard Operation Procedures.

Scope of Quality Management

🔶 GC Cell

- · Quality System: Change control, risk control, deviation control, document control, job and training control and trend analysis control
- · Regulatory Management: Approval control, inspection and data integrity control
- · Raw Material Management: Supplier control, raw material control
- · Facility & Equipment Management: Facility control, equipment control, utility control, qualification control and computer system control
- · Manufacturing Management: Contamination control, validation control, half product/finished product control, consignment control
- · Laboratory Management: Testing tools control, sample control, test control and OOS control
- · Packaging & Distribution Management: Release control, returned product control, return control, complaint control and disinfected product control

Quality Management Organization

GC Cells implements its quality management system by appointing QA personnel experienced throughout R&D, manufacturing and distribution in accordance with GxP¹¹.

1) GxP (Good X Practice) is a good practice that applies to various industries such as in pharmaceutical industry and medical devices industry, and X can be applied with various concepts such as M (Manufacturing), S (Supplying),C (Clinical), and L (Laboratory).

Quality Management Certifications (GMP Certifications)

GC Cell's manufacturing facilities for investigational product and Immuncell-LC are managed to the effectiveness, safety and quality of drug in accordance with the regulations and guidelines of Korea ministry of food and drug safety(MFDS). We also adhere to the guidelines of U.S FDA (Food and Drug Administration) and enhance our quality levels through quality system assessment and audits by clients.

IS09001 Certifications

| | Classification | Unit | 2020 | 2021 | 2022 | |
|----------------|---|--------|------|------|------|--|
| Acquisition of | Ratio | % | 100 | 100 | 100 | |
| Certification | Number of Worksites of Acquisition of Certification ¹⁾ | Places | 1 | 1 | 1 | |
| | Number of Worksites Required for Acquisition of Certification | | 1 | 1 | 1 | |

1) Biologistics of GC Cell

Emergency Planning/Mitigation Control System

GC Cell establishes a system for preparing and responding to emergency situations, and annually plans and executes simulation test scenarios for drills on emergency situations such as fires, leakage of chemical materials. In 2022, we performed simulation tests for fire conditions, and then revised the Code of Conduct and other resources with reflect the collected feedback.

GC Cell

Performing Quality Tests on Products to Quality Safety

GC Cell is making efforts to ensure quality safety so that consumers can use medicines safely by updating risk management plans and safety reports on changes through frequent checks and inspections of safety information.

We are provided with necessary raw materials by our partners, and these materials are already approved and verified and managed. We only input approved raw materials and materials which have passed quality tests before the incoming raw materials arrive at manufacturing sites. We manage through quality tests so that only approved raw materials can be put into the manufacturing process. As of 2022, 8,800 batches of Immuncell-LC were released (monthly average of 733 batches) and we confirmed whether the product quality on each batch were appropriate, then approved their release.

| Impact Assessments of Products and Services | | | | | | | |
|---|--|------|--------|------|------|--|--|
| | Classification | Unit | 20201) | 2021 | 2022 | | |
| Impact Assessment | Ratio | % | N/A | 100 | 100 | | |
| on Health Safety | The Number of Products That Completed Impact Assessments on Health Safety | EA | N/A | 1 | 1 | | |
| | Total Number of Products/Services | | N/A | 1 | 1 | | |

1) Prior to merger in 2021, no subject to evaluation

Quality Management Training

GC Cell performs training on the manufacturing and quality control of drug, GMP operations and regulations, the management of data integrity, etc., in accordance with the mandatory annual training plan for all employees, in order to strengthen manufacturing capacities and GMP operations and management. GC Cell also performs theoretical evaluations after training completion. Other than the annual common essential training, we conduct regular trainings, occasional training, trainings on precautions (behavior guidelines) for aseptic processing, job training for contract workers and new employee to make sure that we control manufacturing and quality without any issues. We check and evaluate the appropriateness of employees who perform special duties to ensure that they can perform their jobs well.

| GMP Trainings (Unit : Times) | | | | | | | |
|------------------------------------|------|------|------|--|--|--|--|
| Classification | 2020 | 2021 | 2022 | | | | |
| Regular Training for All Employees | 10 | 4 | 6 | | | | |
| Regular Training by Department | - | 37 | 37 | | | | |
| Training for New Employees | 18 | 32 | 16 | | | | |
| Job Training | 106 | 156 | 230 | | | | |
| Change Control Training | 190 | 462 | 592 | | | | |
| Other Training | 172 | 237 | 420 | | | | |

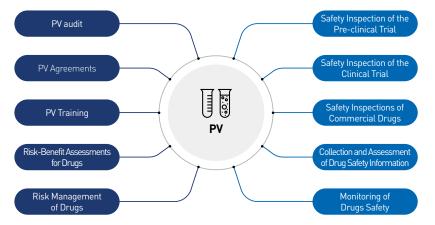
GC Cell

PV System

GC Cell adheres to rules for reporting abnormal events before and after commercialization and clinical trials to regulatory affairs in accordance with their PV (pharmacovigilance). We are managing drug safety information with a more systematic system by continuously enacting and revising SOPs. In addition, we reinforce procedures for the PV system and PV quality management as required by domestic and global regulations and comply with European GVP (Good Pharmacovigilance Practice) and ICH guidelines.

GC Cell is considering measures to introduce the Oracle Argus Safety Database, which is the most widely used in accordance with global standards and plans, to smoothly implement the reporting of individual safety reports and submissions to regulatory bodies.

Safety Inspections of Entire Life Cycle of Medicines



Safety Information Management

To ensure the safe use of drugs such as anticancer drugs, GC Cell collects safety information through an unplanned collection system, including voluntary reporting, literature, and government agency reports, or through a planned collection system including non-voluntary or observed research. In addition, it is easy to report adverse event of investigational products and commercial drugs under development through our own safety information reporting system, and we manage meaningful information for safety analysis through risk-benefit evaluations of collected safety information.

PV Training

GC Cell annually conducts PV training for all employees. GC Cell's new PV training program is designed to encourage all employees to learn reporting procedures for the safety information of drugs and the safety information of GC Cell's pharmaceutical products.

Violation of Relevant Marketing Regulations on Products, Services, Labelling etc.

| | Classification | Unit | 2020 | 2021 | 2022 |
|-----------|--|----------------|------|------|-----------------|
| Violation | The Number of Actions that Led to Raids, Seizures, Arrests or Criminal Charges Involving Counterfeit Drugs | Cases | 0 | 0 | 0 |
| | Total Monetary Losses due to Lawsuits Related to False Marketing | KRW million | 0 | 0 | 0 |
| | Cases Where a Fine or Punishment was Imposed for Violating Regulations | Cases | 0 | 0 | 1 ¹⁾ |
| | The Number of Warnings due to the Violation of Regulations | | 0 | 0 | 0 |
| | The Number of Violations of the Voluntary Code | | 0 | 0 | 0 |

1) Administrative disposition due to non-compliance with quality specification(sterility test); 'Non-submission of Self-recall/Disposal' and 'Non-compliance with Worker Standards'.

Organization specific to Pharmacovigilance

We operate a PV organization which monitors, analyze and evaluates safety information during the entire life cycles, from clinical drugs investigational products to medicines released in market after approval.

AREA 2. RESPONSIBILITY FOR CUSTOMER SAFETY AND QUALITY Supply Chain ESG Risk Management

GC Group

Partners' Purchasing Policy: GC Green Book

To uphold responsible supply chain practices, GC Group established the 'GC Green Book' on GC Purchase Regulations, which includes the common goals and principles set by PSCI and published policies and regulations on purchasing activities for partners of all affiliates. Through this, we expressed our commitment to co-prosperity with our partners through proper 'Buyer's Attitudes,' and we defined the code of conduct that our partners should follow through the "Code of Conduct of Partners." This effort helps us to perform management in pursuance of co-prosperity with partners and to establish and maintain sustainable relationships with partners based on fair deals and strengthened competence.

GC Green Book

GC practices a transparent management ideology that establishes a fair and transparent trading culture, and it seeks to develop together with all partners with empathy, consideration, and co-prosperity.
GC discovers and fosters strategic partners with the potential and competitiveness to grow together with GC. To ensure that equal opportunities for participation are guaranteed, partners shall be selected based on the principle of fairness and transparency, and GC ethical norms and fair trade laws shall be strictly followed.

GC Purchasing Regulations

1. Mission

- Sustainable profits for GC through co-growth with partners
- 2. Vision
- Contribution to organizational goals to become a global leader
- 3. Core Value
 - Clean and transparent deals based on basic principles
 - Improving competitiveness and purchasing capability
- 4. Code of Conduct
 - Ethical Purchasing: Establishing fair trade based on practicing transparency & integrity
 - Win-win Purchasing: Growing together with business partners to create social value
 - Value Purchasing: Practical rather than formal, practical rather than reporting, practical rather than justification

| Classification | Contents |
|-----------------------------|--|
| ESG Supply Chain Management | Advance Purchasing Policy and Management System for Partners |
| | Improving the supply chain's competitiveness through ESG performance evaluations of partners |
| Co-growth With Partners | Regularly listening to VOC through meetings with partners |
| | Minimizing potential risks by sharing the code of conduct with partners |
| Eco-friendly Purchasing | Identifying environmental harmful factors in advance and sharing them with stakeholders |
| | Prioritizing the use of eco-friendly materials or products made by eco-friendly companies |

Compliance with the Nagoya Protocol¹¹

GC Group supports the Nagoya Protocol, which seeks to preserve biodiversity for prevent ecosystem destruction, and share the benefits arising from the use of biological resources in relation to the selection and use of natural ingredients used in pharmaceutical manufacturing. GC complies with the Republic of Korea's Act on Access to and Utilization of Genetic Resources and Benefit-sharing.

 International convention on the sharing of benefits from the utilization of biological resources. The main contents include access to genetic resources and fair and equitable sharing of benefits arising from the use of genetic resources (Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization, ABS)

Supply Chain Governance

Each affiliate's purchasing and quality departments are responsible for ESG risk management through supply chain selection and assessment, and major risks are reported to each affiliate's board of directors in the event of a significant risk.

| Major Area | Purchasing Department | Quality Department |
|--------------------------------------|--|--|
| Selection of the Supply Chain | Performing evaluations of partners once they are registered Changes in the type of partners Approval of the registration of partners Provision of written audit documents on partners | Performing quality audit of partners Provision of evaluation results |
| Assessment of the Supply Chain | Management of the partners' performance and comprehensive assessment in perspective of QCDRM Comprehensive assessment and final decisions on accepting/expelling partners Guidance on improving partners' competence | Assessment from the quality perspective and responses to GMP audits Responses to quality issues and guidance on solving quality issues |

AREA 2. RESPONSIBILITY FOR CUSTOMER SAFETY AND QUALITY Supply Chain ESG Risk Management

GC (Holding Company)

Revision of GC Purchasing Policy

GC (Holding Company) is preparing a revision of the GC Green Book, which updates partner assessment and management standards, the scope of purchasing activities, material types of affiliates, and purchasing regulations that reflect ESG management assessment items. The revisions will be announced in September 2023. GC (Holding Company) Purchasing Guidelines

Ethical compliance
 Fair trade
 Sustainable purchasing

Assessment and Management of the Supply Chain

GC (Holding Company) established a fair and consistent operating system for selecting, supporting, and compensating partners through the regular assessment of partners based on in-house evaluation standards. The assessment is conducted on 9 items, and environmental safety inspections and support activities for partners, consignors and partners are conducted. We encourage continuous improvement with partners throughout periodic inspection and assessment process, and provide support in various ways to achieve co-prosperity with partners.

We control environmental risks through ESG purchasing regulations in the supply chain environment sector. We suggest a labor-related items especially for partners in our "Human Rights and Code of Conduct" to encourage compliance by partners. We implement a more advanced system for evaluating partners by covering quality, environmental and social risks which may be very critical issues directly related to GC affiliates' product and service reputation risks.

Items for Supply Chain ESG Risk Evaluation



Management of Partners' ESG Activities

We will develop ESG assessment system to systematically evaluate ESG risk and trend to supply highlyreliable products with minimized ESG risks such as environment impact, quality, safety, human rights and ethics etc.

GC Biopharma

Purchasing policy

GC Biopharma declared GC Biopharma's policy and regulations on procurement through its 'Green Book' in 2010 and its 'Purchasing Guidelines 2.0' for responsible supply chain practices.

Through this framework, we declared our willingness to achieve legal compliance, social responsibility, green purchasing, fair trade and co-prosperity with partners. We hold an annual Partner's Day to communicate with partners, perform training on fair trade law and disseminate our action guidelines. Through these efforts, we implement fair trade by maintaining sustainable relations with partners and support their competence for co-growth management and fair trade. We have also



agreed to and follow the PSCI1) principles (on ethics, labor, health & safety, environment management systems).

1) PSCI (Pharmaceutical Supply Chain Initiative): Non-profit organization for the sustainability of the global healthcare supply chain

Standards for Eco-friendly Procurement

GC Biopharma has established and operated standards for the eco-friendly procurement of ecofriendly products and services since 2023. We contribute to reducing the environmental impact on the supply chain by using FSC-certified materials and purchasing government-certified green products.



AREA 2. RESPONSIBILITY FOR CUSTOMER SAFETY AND QUALITY Supply Chain ESG Risk Management

GC Biopharma

Assessment and Management of the Supply Chain

The assessment is conducted regularly on price, quality, delivery, production, general management, technical skills, business cooperation, and manufacturing environment for partners. Depending on the results, further environmental safety inspections and support activities for suppliers, consignors, and partners are conducted. Quality areas of the evaluation assessment items those are directly related to the quality of the medicine are managed by quality management organization. Quality management policy of supplier is presented in accordance with the Corporate Quality Manual (CQM), and supplier evaluation assessment system is established through supplier management and supplier due diligence.

The assessment includes quality systems, facilities and building management systems, raw material systems, production systems, packaging and labeling systems, and laboratory management systems. We perform initial qualification to check whether the quality levels of suppliers are adequate. We continuously monitor qualification through re-evaluations, periodic audits, test evaluations, quality history reviews, notifications of changes, quality agreements and control over deviations by suppliers. Through these activities, we encourage the continuous improvement of suppliers, and provide various supports for developing their capabilities to ensure co-prosperity with partners.

Support for Spreading Supply Chain ESG Management

GC Biopharma manages and supervises sustainability of partners with its quality control policy and audit process for entire production stage. For partners to follow GMP(Good Manufacturing Practice) to improve their awareness, we manage and supervise the progress of self-training or not etc. regularly. Also, partners' employees are trained regularly according to annual training plan just like GC Biopharma employees. In accordance with ESG purchasing regulations, we make an effort to spread ESG management by providing direction to partners and creating ESG perspective assessment items.

Suppliers already applying with ESG code of conduct

| Classification | Unit | 2020 | 2021 | 2022 |
|------------------------------|--------|------|------|------|
| Ratio | % | 100 | 100 | 100 |
| The Number of Partners | Places | 165 | 169 | 167 |
| The Total Number of Partners | | 165 | 169 | 167 |

GC Cell

Assessment and Management of the Supply Chain

GC Cell evaluates and checks whether all partners of raw materials incoming to GMP follow documented procedures in accordance with manufacturing and quality control standards. We manage raw materials that require GMP compliance entire production stage, and manage supplier's quality agreements.

We establish a plan for assessment evaluations for the following year based on audit results, monitoring of partner's and the results of annual evaluations, etc. every December and conduct partner assessment.

Through face-to-face due diligence with partners, if violations of relevant laws and regulations or behaviors that cause defects in product quality and service are discovered, we immediately point them out and request supplementation. If face-to-face due diligence is difficult, written due diligence is conducted by reviewing the quality system self-evaluation table, supplements and changes from previous due diligence, etc. We categorize factors as Critical, Major, Minor and request improvements. We evaluate whether partners implement improvement on specific points, classifying the results as approved, partially approved and rejected.

We sign quality agreements with partners and define the roles and responsibilities of partners' quality organizations. Also, we follow evaluation procedures for safety and health and the environment when we select partners, check whether they follow relevant safety health and environment relevant laws and GC Cell's procedures once in a half year to manage our partners properly.

Supplier Evaluation Process

| Initial Assessment | |
|---|--|
| \cdot Performing the qualification of | |
| new suppliers | |

Regular Assessment

· Regular re-assessments on partners that are already approved

For-cause Assessment

 In case where serious quality defects or complaints are issued caused by partners' products, for-cause assessment are performed for applicable partners

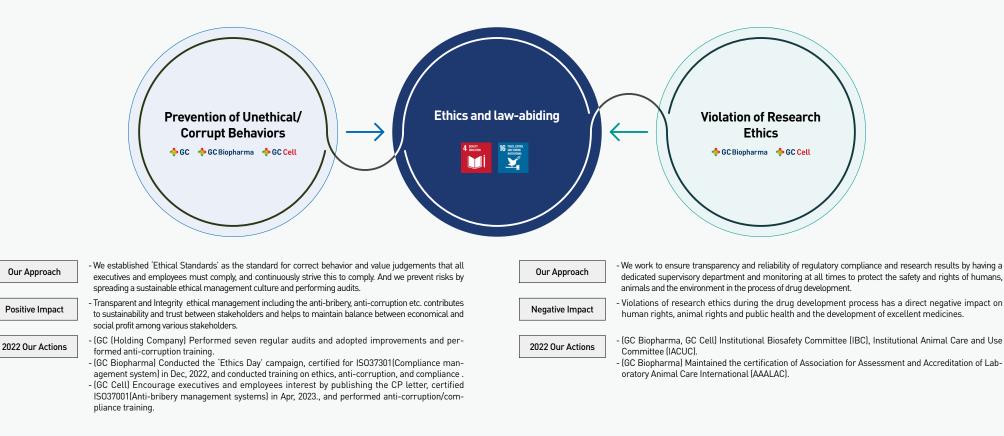
Corrective Action and Improvement, Monitoring

- Sharing points that require improvement after reviews
- Encouraging continuous improvement and performing training

AREA 3. CORPORATE ETHICS AND COMPLIANCE

Management Approach

GC Group practices our core values of 'Transparency & Integrity' with belief that the being righteous is our only path, and the awareness that the integrity of all executives and employees is the best system. We promise to strengthen our data integrity and maintain our ethical practices reflecting our respect for life to ensure fairness, transparency, and reliability.



GC Group

Ethical Management Policy: GC Ethical Standards

GC Group has established "Ethical Standards (standards)" for correct behavior and valuation that all executives and employees, third parties including partners, agents, temporary workers and subcontractors must comply with, and promotes various activities based on them.

| 운식장병 유전 사막에 |
|---|
| Compliance 1919 |
| $\begin{array}{c} 1 (c_1, c_2) \in (c_2) \in (c_1, c_2) \in (c_2, c_2) \in$ |
| 1982 8 284 8489 X Contena 418 1995; 81 8 |

Pledge for Ethics

All executives and employees in the GC Group sign the "Pledge for Ethics" annually to better understand the corporate ethics code and participate in following the corporate direction for ethical management.

Whistleblowing System

GC Group operates a reporting system for unethical behavior to reinforce ethical management. Stakeholders such as executives and employees and partners can use the "Ethical Management Information (metal)" channel on the website without any restrictions on time and place. The unethical actions involving bribery, solicitation of personnel, cheating, sexual harassment and other harassment in the workplace, power abuse, and unfair behavior are subject to reporting. can be reported. The reports can be made anonymously, and the reporter's identity is protected in accordance with our internal reporting system operation regulations (metal)

Reporting Process



Spreading the Culture of Ethical Management

GC Group conducts training and promotional activities for ethical management by posting training materials for ethical management on the intranet used with its affiliates including GC (Holding Company), GC Biopharma and GC Cells.

GC (Holding Company)

Ethical Management Policy

GC (Holding Company) has established the GC Ethical Standards and the Charter of Human Rights to promote ethical awareness among executives and employees.

GC (Holding Company) Ethical Standards and Charter of Human Rights

- 1. Customer Respect We dedicate our best to achieve customer happiness and satisfaction.
- 2. Protection of Corporate and Investors We enhance corporate value and protect stockholders and investors.
- 3. Respect for Executives and Employees We encourage the individual growth of executives and employees and contribute to improving their quality of life.
- 4. Fair Trade We respect the free competitive market order and take the lead in promoting transparency on the pharmaceutical industry.
- 5. Anti-Corruption We foster a integrity corporate culture by preventing corrupt actions such as bribery and providing favors.
- 6. Environmental Preservation We do our best to protect the environment and comply with relevant legislations.
- 7. Social Responsibility We contribute to local community growth by fulfilling our social responsibilities.

GC's Charter of Human Rights We respect the human rights of all stakeholders including executives and employees in all sales activities.

Ethical Management Organization

GC (Holding Company) operates an audit team organization dedicated to ethical management. We are doing our best to establish a culture of ethics and compliance management, and reports activities related to compliance support and ISO37301 (Compliance Management System) certification to the Board of Directors.

Protection of Reporters

GC (Holding Company) receives reports on matters such as unethical actions and violations of law through the internal reporting system and handle these matters in accordance with its procedure. The internal reporting system ensures the anonymity and takes measures to receive legal protection of internal and external reporters by entrusting third-party contractor and operating an IP tracking blocking system.

GC (Holding Company)

Whistleblowing System

GC (Holding Company) received a total of zero case reports in 2022.

Reports in Whistleblowing System¹¹

| | Classification | Unit | 2020 | 2021 | 2022 |
|---------|---------------------|-------|------|------|------|
| Reports | Treatment Rate | % | 0 | 0 | 0 |
| | Number of Reports | Cases | 0 | 0 | 0 |
| | Number of Treatment | | 0 | 0 | 0 |

1) Including the number of reports related to ethical management and human rights

Inspecting Ethical Awareness of Executives and Employees and Internal Audit

Regular and irregular ethical awareness inspection are conducted every year to improvement, and issues that require further action are resolved through consultation with related departments. Regular checks on ethics occur together when the audit team performs regular audits for compliance and ethical management. In 2022, a total of 7 regular audits (one case each in Feb, Mar, May, Aug, Sep and two cases in Dec) were conducted.



Spreading the Culture of Ethical Management

GC (Holding Company) conducts various promotional activities to foster the culture of ethical management. Programs that include quizzes, ethical flower pot events, promotional material distribution, poster production and internal reporting system promotion makes it easier for executives and employees to engage in ethical management.

GC Biopharma

Ethical Management Policy

GC Biopharma established 8 Ethical Code of the Conduct for customers, companies and investors, executives and employees, partners and local communities based on the GC Ethical Standards and Charter of Human Rights. We also revised and distributed the 'Policy for Anti-corruption', 'Policy on Gifts, Hospitality, and Entertainment', 'Policy for Conflicts of Interest' and 'Policy for Managing 3rd Parties' including Code of Conduct to employees and stakeholders in April 2023. We also constantly perform training on the Code of Conduct including examples and Q&A for better understanding.

GC Biopharma's Ethical Code of the Conduct



Ethical Management Organization

GC Biopharma's the Board of Director appointed compliance officer (persons responsible for anticorruption measures and compliance) and compliance supporter in order to practice ethical management and efficiently operate the company's compliance policy and GC Biopharma report whether to implement regular ethics and compliance training and compliance with compliance control standards to the Board of Director annually. We also operate a compliance team which performs actual ethical management activities to assist compliance officer and compliance supporters under the direct supervision of the CEO.

Protection of Reporters

GC Biopharma receives reports on matters such as unethical actions and violations of law through the internal reporting system and handles these matters in accordance with its procedures. The internal reporting system ensures the anonymity and takes measures to receive legal protection of internal and external reporters by entrusting third-party contractor and operating an IP tracking blocking system.

GC Biopharma

Whistleblowing System

There were a total of five cases reported though the anonymous reporting system in 2022 and all cases were handled through the internal reporting (Shortcut®) procedure (investigation, transfer to the relevant department, request for further materials, etc.).

Reports in Whistleblowing System¹¹

| | Classification | Unit | 2020 | 2021 | 2022 |
|---------|---------------------|-------|------|------|------|
| Reports | Treatment Rate | % | 100 | 100 | 100 |
| | Number of Reports | Cases | 5 | 10 | 5 |
| | Number of Treatment | | 5 | 10 | 5 |

1) Including the number of reports related to ethical management and human rights

'Ethics Day' Campaign for Executives and Employees

GC Biopharma operates a program that expresses its willingness to manage ethics at all times to raise continuous interest of executives and employees in establishing a corporate culture that complies with ethics and compliance and to encourage activities.



We are promoting the internalization of global-level ethical awareness through various campaigns such as "U-Quiz E (Ethics) Quiz" using Metaverse, "Ethical

Plant" and "Sand Art" events to raise ethical awareness among executives and employees.

Performing Ethics Training

GC Biopharma performs ethics training constantly for executives and employees to achieve ethical value.

Ethics Training Completed in 2022

| Title | Training Target | Target | Course Completion | Completion Rate |
|--|--------------------|---------------|-------------------|--------------------|
| Ethical Management and Anti-graft Law | All Employees | 2,208 Persons | 2,072 Persons | 93.8% |

GC Cell

Ethical Management Policy

GC Cell established and shared ethical norms on the intranet, including materials on "presenting ethical standards of conduct," "refusing bribery, treats and entertainment" and "the whistleblowing system on solicitation" based on the GC Ethical standards and Charter of Human Rights in December 2022. We disclosed our responsibilities and duties toward customers (including healthcare), executives and employees, shareholders, the nation and local communities through Declaration of Ethical Management (shertorte).

| | h | |
|----------|--|---|
| | Cannon House | |
| | | |
| | | |
| | CAT AN AD DOLLAR AD AD AD | F |
| | | |
| | | |
| | | |
| | trag bit for an information | |
| | and an an and an an an and an an | F |
| | | |
| | | |
| | | |
| -9C Cell | | |
| | 1 M. DOL DOL DOL DOL DOL DOLD TO A LONG | - |
| | - Internet and the second seco | |

Ethical Norms

Ethical Management Organization

GC Cell organized compliance team under the direct supervision of the CEO and the Board of Director appointed compliance officer to implement ethical management. We hold compliance operating committee once a quarter to establish and operate policies and regulations to meet ethical management goals.

Protection of Reporters

The internal reporting system ensures the anonymity and takes measures to receive legal protection of internal and external reporters by entrusting third-party contractor and operating an IP tracking blocking system.

Whistleblowing System

GC Cell had a total of 1 case report in 2022 and all cases were handled through the internal reporting (stortarter) procedure (investigation, transfer to the relevant department, request for further materials, etc.).

| Reports in Whistleblowing System ¹¹ | | | | | | | | |
|--|---------------------|-------|------|------|----|--|--|--|
| | Classification | Unit | 2020 | 2021 | 20 | | | |
| Reports | Treatment Rate | % | 100 | 100 | | | | |
| | Number of Reports | Cases | 0 | 1 | | | | |
| | Number of Treatment | | 0 | 1 | | | | |

1) Including the number of reports related to ethical management and human rights

Spreading a Culture of Ethical Management

GC Cell publishes a CP Letter every other month to encourage all executives and employees to take interest in ethical management and relevant activities. GC Cell plans to conduct ethical management training for all executives and employees starting from the second half of 2023.



GC Group

Compliance

GC Group implements compliance management by establishing eight mandatory compliance units connected to the GC Ethical Standards and Charter of Human Rights. Each unit contains all issues that arise in all sectors.

AREA 3. CORPORATE ETHICS AND COMPLIANCE Prevention of Unethical and Corrupt Behaviors

Eight Mandatory Compliance Units



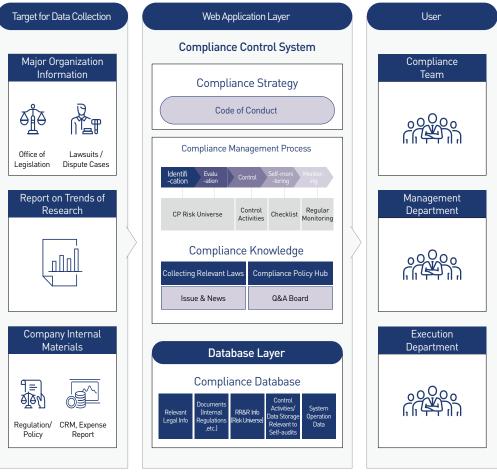
Internal Control Governance

The GC Group Compliance Organization reports major compliance management activities and future plans to the CEO.

Compliance Program

GC Group performs management and supervision to meet compliance standards. GC Biopharma and GC Cell together put more effort for fair competitiveness by establishing compliance organization, compliance programs and anti-corruption system. All marketing and sales activities are reviewed through discussion and review in advance, and we perform monitoring receipts of monthly expense of corporate cards, missed information of expense receipts and whether to violate relevant laws in marketing and sales activities by using RPA(Robotic Process Automation).

GC Group Compliance Management System



GC (Holding Company)

Anti-Corruption Policy

GC (Holding Company) plans to obtain ISO37301 (Compliance management system) certification during 2023 (approved by the board of directors in May 2023), and the anti-bribery and corruption policy is posted on the intranet in the form included in the ethical standards.

Implementing Prevention Audits and Compliance Risk Assessments

GC (Holding Company) assesses each affiliate's risks, including risks related to fair trade, and implements prevention audits by establishing an annual audit plan. We continuously check whether the results of the audit are actually reflected in sites by performing corrective measures.

Corruption Risk Assessments

| | Classification | Unit | 2020 | 2021 | 2022 |
|-----------------|----------------------------|--------|------|------|------|
| Anti-corruption | Ratio of Workplaces | % 100 | | 100 | 100 |
| Risks | Number of Workplaces | Places | 1 | 1 | 1 |
| | Total Number of Workplaces | | 1 | 1 | 1 |

Anti-Corruption Training

GC (Holding Company) establishes the Code of Conduct, including training on anti-corruption compliance with fair trade, and publishes it on the intranet to educate all executives and employees.

Training on Anti-Corruption in 2022

| | Classification | Unit | 2020 | 2021 | 2022 |
|--------------------------|---|---------|------|------|------------------------|
| Training on Anti- | Training Completion Rate | % | 100 | 100 | 0 |
| Corruption ¹¹ | Number of Persons Who Completed Training | Persons | 22 | 14 | 021 |
| | Training Target | | 22 | 14 | O ^{2]} |

1) Training for internal auditors and training for personnel responsible for managing corruption risks 2) We did not perform training in 2022, as it was not required.

GC Biopharma

Anti-Corruption Policy

GC Biopharma has established anti-corruption guidelines and posts the CEO's message on its intranet every year to express its leadership and commitment to anti-corruption. In addition, in April 2023, the anti-corruption policy was upgraded and posted on the intranet and compliance management system, and training on this is continuously provided to executives and employees.

Compliance Program

GC Biopharma introduced the Compliance Program (CP) in Aug, 2007. We established regulations and guidelines for sales activities reflecting the Fair Trade Act, the Pharmaceutical Affairs Act, Fair Competition Rules etc. Ongoing training on these subjects were given to employees and monitored. Also, we perform effectiveness checks on the overall CP program to improve operations every years.

Compliance Risk Assessment

GC Biopharma identified and evaluated all compliance risks (Including risks related to unfair trade and illegal competition). We identified a total of 1,084 compliance risks and 158 risks were categorized as 'high risk' based on internal criteria. For matters evaluated as High Risk, we identified control means and identified the effectiveness of the control means, and additional control activities have been developed to mitigate residual risks.

Corruption Risk Assessments

| | Classification | Unit | 2020 | 2021 | 2022 |
|--------------------------|----------------------------|--------|------|------|------|
| Anti-corruption Risks | Ratio of Workplaces | % 100 | | 100 | 100 |
| | Number of Workplaces | Places | 16 | 15 | 15 |
| | Total Number of Workplaces | | 16 | 15 | 15 |

system)

GC Biopharma

Performing Audits

In addition to regular audits, special audits are conducted when there are special demands from management and reports received in the cyber reporting center. We strive to establish a transparent corporate culture by conducting investigations on violations of ethical management such as employee corruption. We continue to manage the implementation inspection of related corrective actions for affiliates and improve the process.

Compliance Monitoring

We perform regular monitoring biannually to check whether control means are working properly. As a result of compliance monitoring in 2022, we identified 21 cases which violated internal guidelines, and warnings were issued by the Compliance Team. In addition to marketing and sales activities, we performed monitoring of compliance with the Fair Transactions In Subcontracting Act (unfair unit price reductions unfair returns, non-issuance of written documentation, misappropriation of technology, unfair special contracts, unpaid subcontracts, etc.).

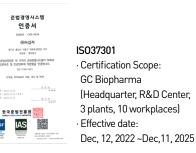
IS037001 and IS037301 Certifications

GC Biopharma acquired certifications for ISO37301 (Compliance management system) and ISO37001 (Anti-bribery management systems) from KCI (Korea Compliance Initiative). We first acquired certifications for ISO37001 in May 2018, and passed renewal audits in 2021.

In addition, we acquired certification for ISO37301 in December 2022, thereby officially we have been recognized the establishing of a global-level compliance system.



IS037001 · Certification Scope: GC Biopharma (Headquarter, R&D Center, 3 plants, 10 workplaces) Effective date: Dec, 12, 2022 - May, 22, 2024



Certifications Classification Unit 2020 2021 IS037001 **Overall Certification Rate** % 100 100 (Anti-bribery Number of Worksites with Certifications Places 16 15 management Number of Worksites with Certifications 16 15 system) % IS037301 **Overall Certification Rate** N/A N/A (Compliance Number of Worksites with Certifications N/A N/A Places management

Number of Worksites with Certifications

Training on Anti-Corruption / Compliance (Including Fair Trade/Fair Competition)

GC Biopharma's compliance team performs regular training on anti-graft law, the Fair Trade Act and the Fair Transactions In Subcontracting Act, and special training on lectures and instructor interviews, and site training on Fair Competition Rules and Compliance, etc.

2022

100

15

15

100

15

15

N/A

N/A

GC Biopharma conducts job-specific special training (subcontract law, fair trade law, sales secrets, training on compliance with relevant sales laws and clinical laws, etc.) for all executives and employees. We also performed training for all executives and employees (including contract workers, subcontractors and interns) based on the revised the Code of Conduct in April, 2023 on topics including "anti-corruption policy," "policy on conflicts of interest" and "policy on gifts, hospitality and entertainment." Special training was provided for employees in positions above team managers and for new employees.

Regular training is conducted biannually for departments with a high risk in relation to compliance. To enhance the effectiveness of the compliance education system, compliance trainings are conducted in various forms, such as visits to workplaces, online video trainings, lectures by outside instructors, and cartoons. Furthermore, training for new employees and for executives are provided frequently.

AREA 3.

CORPORATE ETHICS AND COMPLIANCE Prevention of Unethical and Corrupt Behaviors

GC Biopharma

Training on Anti-Corruption in 2022

| | Classification | Unit | 2020 | 2021 | 2022 |
|-----------------|---|---------|-------|------|-------|
| Training on | Training Completion Rate | % | 97.6 | 91.1 | 93.8 |
| Anti-Corruption | Number of Persons who Completed Training | Persons | 1,984 | 564 | 2,072 |
| | Training Target | | 2,032 | 619 | 2,208 |

Compliance Training in 2022

| Title | | Target Department | Target Number | Course Completion | Completion Rate |
|---|---|------------------------------|------------------|----------------------|--------------------|
| Summary and Issues of the Subcontract Act | | Purchasing Department | 9 Persons | 9 Persons 9 Persons | |
| Compliance Training (Fair Competition Enforcement And CP Guidelines) | | Sales Department | 408 Persons | 408 Persons | 100% |
| Understanding Fair Trade Law With A Lawyer Specialized In Fair Trade Law | | New Employees | 262 Persons | 262 Persons | 100% |
| Special Lecture on Compliance | Training On Protecting Business Secrets | R&D Department | 375 Persons | 375 Persons | 100% |
| (With A Lawyer) | Training On Law Compliance For The Clinical Trial Department | Clinical Trial Department | 39 Persons | 39 Persons | 100% |
| | Sales/MKT Rebate Cases And Trends In The Health And Medical Sectors | Sales Department | 452 Persons | 452 Persons | 100% |

Effectiveness of Training

The results of our evaluations on the effectiveness of compliance training showed that the training satisfaction level in 2022 was 79.2 points, an increase of 5.3 % compared to the previous year. The promotion satisfaction level was 79.6 points, an increase of 4.7% compared to the previous year.

GC Cell

Anti-Corruption Policy

GC Cell planned and operated its anti-corruption management system by uploading its policy and directions (shorted) including the CEO's message on anti-corruption (shorted) on the intranet in June 2022.

🔶 GC Cell

- \cdot We actively participate in achieving anti-corruption goals.
- \cdot We detect possible corruption risks early and prohibit all corruption activities.
- \cdot We comply with all internal and external regulations on anti-corruption.
- · We continuously monitor and improve the anti-corruption systems for effective operation.
- We create a corporate desirable reporting culture through the internal reporting system that ensures anonymity of whistleblowers who report corruption and bribery informants.

Compliance Program

GC Cell cooperates with GC Biopharma operate the fair-trade compliance program. We conduct business consultations through Q&A and FAQ bulletin boards on compliance, and respond to applications through wire and mail, such as inquiries on fair competition rules and CP standards and prior business consultations. We monitor CP by comparing monthly expense reports and expense receipts for company cards. There were no violations of regulations identified so far and we plan to check for violations of regulations through division of work.

7 Components of the Compliance Program

- 1. Willingness of the management to achieve compliance Declaration of compliance on the corporate website and e-compliance every year
- 2. Operation of CP under the management of compliance officers who has authority & responsibility – Establishment and management of trainings and internal audits
- 3. Establishment and distribution of manuals for compliance with fair trade regulations Creation & distribution of CP Letters and online materials
- 4. Performing training programs- Establishing & implementing annual training plans
- 5. Establishing the monitoring system Monitoring expense reports and the expense histories of company cards
- 6. Sanctions on executives and employees violating legislations Performing internal audits
- 7. Establishing the document control system CP regulations, Ethical Code of the Conduct, revision and establishment of guidelines and SOPs

GC Cell

Compliance Risk Assessments

Corruption Risk Assessments

| | Classification | Unit | 2020 | 2021 | 2022 |
|-----------------|----------------------------|--------|------|------|------|
| Anti-corruption | Ratio of Workplaces | % | 0 | | 100 |
| Risks | Number of Workplaces | Places | 0 | 0 | 50 |
| | Total Number of Workplaces | | 0 | 0 | 50 |

IS037001 Certification

GC Cell acquired certification for IS037001, the international standards for anti-bribery management systems, from KCI (Korea Compliance Initiative) in Apr, 2023. GC Cell's acquisition of this certification demonstrates that we have established a control system to identify corruption risks in advance and a prevention system against illegal/corrupt activities.

<section-header><section-header><section-header><section-header><text><text><section-header><text><text><text><text><text><text>

ISO37001 • Scope: Entire GC Cell (headquarters, Cell Center, 47 sales offices, logistic centers) • Effective date: Apr, 3, 2023 - Apr, 2, 2026



CORPORATE ETHICS AND COMPLIANCE Prevention of Unethical and Corrupt Behaviors

Certifications

| | Classification | Unit | 2020 | 2021 | 2022 |
|------------------------|---|--------|------|------|------|
| IS037001 | Overall certification rate | % | 0 | 0 | 0 |
| (Anti-bribery | Number of worksites with certifications | Places | 0 | 0 | 0 |
| management systems) | Number of worksites with certifications | | 0 | 0 | 0 |

Training on Anti-corruption/Compliance (Including Fair Trade/Fair Competition)

GC Cell has established and administered full training plans since Jun, 2022. We performed face-toface training sessions on the topic of fair competition enforcement and legislations and the internal CP system for the sales team, marketing team, and sales management department. Also, we performed seminar workshops on anti-corruption for executives and anti-corruption management systems for in-house auditors. We plan to reinforce activities to improve compliance based on our training plan in 2023.

Training on Anti-Corruption in 2022

| | Classification | Unit | 2020 | 2021 | 2022 |
|---|---------------------------------------|---------|------|------|-------|
| Training on Anti- Corruption ¹¹ | Training Completion Rate | % | 0 | 0 | 100 |
| | No. of Persons who Completed Training | Persons | 0 | 0 | 204 |
| | Training Target | | 0 | 0 | 2041] |

1) For the sales headquarters, in-house auditors and executives

AREA 3. CORPORATE ETHICS AND COMPLIANCE Violation of Research Ethics

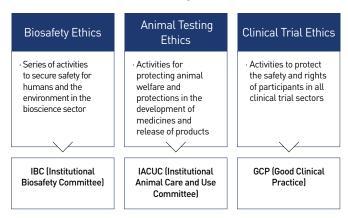
GC Biopharma

Research Ethics Policy

GC Biopharma understands the importance of research ethics throughout all research activities and strives to uphold ethics in all its activities. We strictly comply with relevant legislation in every step of research and systemize monitoring of all activities. We set principles to protect the safety and rights of humans, animals, and the environment as required in each stage of medicine development and approve all research activities and appoint review boards to conduct thorough reviews of all research activities. We work to ensure transparency and reliability of research results by establishing a dedicated department dedicated to managing and

supervising the proper performance of approved research activities.

Research Ethics Activities of GC Biopharma



Organization for Biosafety Ethics

To ensure safety in research sites, GC Biopharma's IBC (Institutional Biosafety Committee) is dedicated to evaluating potential risks and biosafety reviews of research conducted within the organization. The committee is establishing biosafety plans and implementing biosafety education and training programs.

IBC Organization

Organization for Animal Testing

GC Biopharma established the IACUC in 2008 based on the Animal Protection Act. Conducting animal experiments for research and preclinical stages of drug development, we support research results in accordance with the basic principles of 5R (replacement, reduction, refinement, relevance, and redundancy avoidance) to support researchers in obtaining necessary research outcomes while ensuring ethical practices.

IACUC Organization



Organization for Clinical Trial Ethics

GC Biopharma performs clinical trials in accordance with ICH (International Council for Harmonization). All research activities are managed though Standard Operating Procedures (SOPs) and we prevent violations through continuous training of personnel conducting clinical trials. A dedicated department, the Quality Assurance (QA) team, is set up to oversee and supervise research activities in accordance with the clinical trial plan, and monitors the implementation of ethical regulations to protect the safety and rights of clinical trial participants. All data in testing for clinical trials are managed in accordance with relevant laws and regulations, and we follow the principles in the Helsinki Declaration regarding ethical principles for medical research targeting humans.

AREA 3. CORPORATE ETHICS AND COMPLIANCE Violation of Research Ethics

GC Biopharma

Animal Experimental Ethics Policy

GC Biopharma is concerned not only for the welfare of humankind but also for the welfare of animals, as they are an important part of this world, and we are making various efforts to promote their welfare. Operational procedures on deliberation and approval by the Institutional Animal Care and Use Committee (IACUC) for using animals in R&D and manufacturing processes have been established. Members of IACUC include external experts with PhDs in veterinary medicine and animal protection organizations. IACUC conducts its roles in accordance with the Animal Protection Act, including ethical reviews and approvals based on the $3R^{11}$ principles regarding the operation of animal tests and surveys.

1) The 3R principles are to avoid animal experiments altogether (replacement) to limit the number of animals (reduction) and their suffering (refinement) in tests to an absolute minimum.

Certification of Animal Testing Facilities

Animal testing for all production sites of GC Biopharma is conducted, integrated and managed comprehensively by the animal laboratory in the Ochang Plant. The animal laboratory obtained full accreditation from AAALAC International¹¹ in 2011, the first time for South Korean domestic pharmaceutical company. In order to continuously maintain this accreditation, we receive regular due diligence every three years. AAALAC certification demonstrates that our animal laboratory facilities and laboratory management programs meet international standards



and that we are committed to the humanitarian management of animals used in experiments. It indicates our ability to maintain and manage animal laboratories in optimal conditions as recognized by global certification institutes.

1) AAALAC (Association for Assessment and Accreditation of Laboratory Animal Care International)

GC Cell

Research Ethics Policy

GC Cell complies with relevant legislations and regulations by establishing a system for fulfilling our ethical responsibilities in all research processes. All our research activities must achieve reliability and objectivity based on integrity and honesty and meet standards for public interest by generating more social benefits based on ethical values and results. Accordingly, researchers in GC Cell prevent cheating and unethical actions and organize research QA and clinical QA teams to secure and operate systems for managing and guaranteeing a global-level of clinical research ethics.

Research Ethics Activities of GC Cell

| Biosafety Ethics | Animal Testing Ethics | Clinical Trial Ethics |
|---|--|---|
| Series of activities to secure safety for humans and the environment in the bioscience sector | Activities for protecting animal welfare and protections in the development of medicines and release of products | Activities to protect the safety and rights of participants in all clinical trial sectors |
| | | |
| IBC (Institutional Biosafety Committee) | IACUC (Institutional Animal Care and Use Committee) | GCP (Good Clinical Practice) |

AREA 3. CORPORATE ETHICS AND COMPLIANCE Violation of Research Ethics

GC Cell

Organization for Biosafety Ethics

The IBC (Institutional Biosafety Committee) of GC Cell is responsible of auditing risk assessment and biosafety of research conducted in GC cell to secure safety within research sites. The organization prepare security measures, establish relevant plans, and operate education programs for biosafety.

IBC Organization



Organization for Animal Testing Ethics

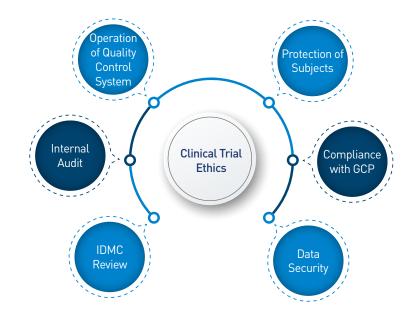
GC Cell operates animal testing ethics by being transferred into GC Biopharma's the Institutional Animal Care and Use Committee (IACUC) in accordance with Animal Protection Act and Laboratory Animal Law.

Researchers in GC Cell sticks to basic ethics principle of animal testing by participating in IACUC with the same roles and responsibilities as committee members in IACUC.

Clinical Trial Ethics

GC Cell provides ethics training courses for researchers to adhere to clinical trial ethics and improve their understanding of relevant work. We ensure transparency and reliability in research through detailed and clear guidelines and thorough clinical trial quality control system.

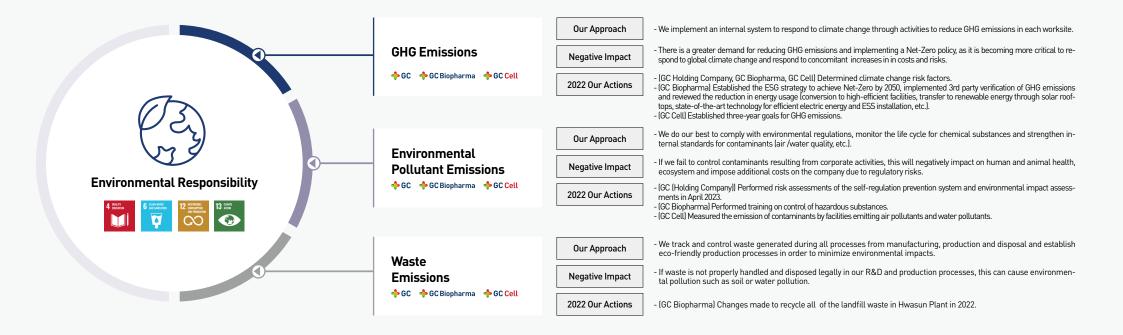
GC Cell's self-audits are representative monitoring activities that aim to secure the transparency and accuracy of clinical trial results and prevent cheating and fabricated research results. We further strengthen reliability through proper reviews on the handling critical issues and the clinical trial process by the IDMC (Independent Data Monitoring Committee) and auditors. Notably, GC Cell provides research descriptions for participants so that they can communicate with stakeholders transparently and it prevents disclosures of personal information, which is strictly managed. We also actively cooperate with relevant organizations to introduce data management systems and relevant organizations to secure the integrity and security of clinical trial data.



AREA 4. ENVIRONMENTAL RESPONSIBILITY

Management Approach

GC Group strives to minimize wastewater, waste, air pollution, and hazardous chemicals generated during corporate activities, and to manage energy consumption and GHG emissions, which are current global environmental issues. We also pay special attention to creating a safe and healthy working environment for our employees.



GC Biopharma

Environment, Safety and Health Management Policy

The CEO of GC Biopharma declares its safety and health policy annually at the corporate level to maintain the safety of all stakeholders including employees, customers, partners and local communities in all stages of activities, products and services which significantly affect the environment, safety and health. Based on ISO14001, corporate-level environment, safety and health policy are shared with all employees and each plant establishes detailed plans to implement these policy. We regularly investigate the environmental aspects and impacts of organizational activities, products and services. Prevention, emission and energy usage facilities related to air and water quality, noise, and soil pollution are periodically audited and managed according to operating and management standards in accordance with environmental laws. We also perform history management of environmental laws in 24 sectors such as the Environmental Conservation Act and the Clean Air Conservation Act to renew our review of environmental laws every August.

Environment Management Organization

GC Biopharma establishes decision-making and implementation bodies to enhance Health, Safety, and Environment (HSE) management, following a corporate-level HSE policy. The Chief Sustainability and Environmental Officer (CSEO), reporting directly to the CEO, possesses the authority and accountability for making environmental management decisions. The SHE team, operating as an environmental management entity, is dedicated to creating a safer and more environmentally conscious workplace.

GC Biopharma's Policy for Environment, Safety and Health

🔶 GC Biopharma

· Sustainable management through ESG management

We put in effort to minimize energy use and GHG emissions at each workplace to achieve Net-Zero by 2050. We establish ecofriendly production processes by tracking energy usage and waste generation, etc. for all processes from manufacturing to disposal after production.

· Compliance with Regulations on Environment, Safety and Health

We actively participate in establishing prevention systems especially for self hazard assessments and we comply with internal and external environment, safety and health regulations to implement ISO14001/45001 and root out serious accident.

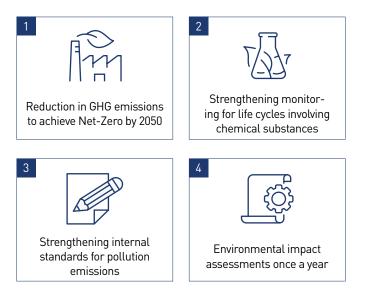
· Improvement, Prevention and Control

We set goals for environment, safety and health and root out potential risks for accidents relevant to environmental pollution and safety and health through active provision of resources and continuous identification, oversight, assessment and improvements.

• Communication on Environment, Safety and Health Activities We create a corporate culture that encourages employees to participate in environmental, safety and health activities. We do our best to create a safe environment by efficiently communicating with stakeholders such as employees, partners, local communities etc.

Goals for Environmental Management/Responding to Climate Change

We established a strategy for strengthening ESG and achieving Net-Zero by 2050 through sustainable management.





GC Biopharma

GHG Emissions Management

GC Biopharma manages GHG emissions by establishing reduction targets for Scope 1 (direct emission) and 2 (indirect emission) in the workplace and monitors quarterly emissions by establishing a management system to reduce energy usage and GHG emissions. GC Biopharma has controlled and monitored direct and indirect GHG emissions in all worksites including our Ochang plant, Hwasun plant, Eumseong plant, headquarters, R&D center, warehouses and sales offices and plans to establish a module to manage energy usage and GHG emissions inside the SHE IT System since 2021.

GHG Emissions

| Cla | Classification | | 2020 | 2021 | 2022 |
|--|--|----------------------------|----------------------|--------|--------|
| Total GHG Emiss | ions (Scope 1+2) | tCO₂eq | 64,666 ^{2]} | 68,166 | 66,854 |
| Direct GHG | Total | | 12,845 | 14,362 | 12,374 |
| Emissions (Scope 1) ²¹ | Headquarter/R&D center ¹⁾ | | 963 | 983 | 984 |
| | Ochang Plant | | 5,620 | 6,809 | 5,009 |
| | Hwasun Plant | | 5,627 | 5,787 | 5,504 |
| | Eumseong Plant | | 635 | 700 | 792 |
| | Warehouses and Sales Offices | | Managed since 2021 | 80 | 85 |
| Indirect GHG | Total | | 51,821 | 53,804 | 54,480 |
| Emissions (Scope 2) ²¹ | Headquarters/R&D center ¹¹ | | 2,826 | 2,964 | 3,238 |
| | Ochang Plant | | 35,618 | 36,553 | 36,703 |
| | Hwasun Plant | - | 12,366 | 12,623 | 12,437 |
| | Eumseong Plant | | 1,011 | 1,324 | 1,467 |
| Warehouses and Sales Offices | | | Managed since 2021 | 338 | 634 |
| Direct/Indirect Emissions Intensity (Scope 1+2) | | tCO₂eq/ KRW 100 million | 5.267 ² | 5.825 | 5.370 |
| Reduction Perfe Compared to the | ormance in KRW Unit, Previous Year | % | (16.3) | (10.6) | 7.8 |

1) Announced in the form of an integrated report on specifications for GHG emissions 2) This value reflects the change in distribution criteria by headquarters

Energy Use Management

GC Biopharma does not calculate its energy usage outside its territory.

| Energy Usage ¹⁾ | | | | | | | |
|---|------------------------|-------|------------------------|----------|----------|--|--|
| Classific | Unit | 2020 | 2021 | 2022 | | | |
| Total Energy Usage | | TJ | 1,516.00 ^{2]} | 1,621.00 | 1,640.00 | | |
| | Total | | 244.00 | 274.00 | 234.00 | | |
| (Direct Energy Source) ²⁾ | Diesel Usage | | 22.00 | 23.00 | 23.00 | | |
| | Gasoline Usage | | 0.00 | 1.00 | 1.00 | | |
| | LNG Usage | | 222.00 | 250.00 | 210.00 | | |
| General Energy Usage | Total | | 1,272.00 | 1,347.00 | 1,406.00 | | |
| (Indirect Energy Source) ²⁾ | Electricity Usage | | 1,083.00 | 1,124.00 | 1,138.00 | | |
| | Heat (Steam) Usage | | 189.00 | 223.00 | 268.00 | | |
| Intensity of Energy Usa Organization | TJ/ KRW 100 million | 0.123 | 0.139 | 0.132 | | | |

1) Scope: Headquarters, three plants (Ochang, Hwasun, Eumseong), R&D center, 10 sales offices 2) This value reflects the change in distribution criteria by headquarters

| Renewable Energy Usage | | | | | | | |
|---|--------|------|------|------|--|--|--|
| Classification | Unit | 2020 | 2021 | 2022 | | | |
| Total Renewable Energy Usage | TJ | 0.11 | 0.04 | 0.29 | | | |
| Ratio of Renewable Energy Use to Total Energy Use | % | 0.01 | 0.00 | 0.02 | | | |
| Number of Worksites That Have Introduced Renewable Energy | Places | 1 | 1 | 1 | | | |

Efforts for Energy Efficiency

| Investment in High- | Investment in | Efficiency in the | Improvement in |
|------------------------------|-----------------------------------|---------------------------|---------------------|
| Efficiency Facilities | Eco-friendly Facilities | Manufacturing Process | Process Facilities |
| Transition to High-Efficient | Facilities for Reducing Fine Dust | Improvement of the Waste- | Exchange of Process |
| Transformers, etc. | and Exchanging Filters, etc. | water Treatment System | Facilities. etc. |

GC Biopharma

Efforts to Reduce GHG Emissions

GC Biopharma Ochang Plant previously relied on liquefied natural gas (LNG) fuel, but since Aug, 2017, we converted our energy sources to steam (heat) supplied from outside. This change in heat source cut our usage of LNG in boilers and reduced GHG emissions by approximately 10,000 tCO₂eq per year. Also, this plant replaced all fluorescent lights with high efficiency LED lights in facilities and equipment.

The Hwasun Plant of GC Biopharma installed ESS (Energy Storage System), an energy smart technology and sought alternative energy sources such as heat to implement efficient boilers (check for steam leaks, timely block of unused boilers) and reduce energy consumption.

GC Biopharma has a plan to convert electricity in workplaces into solar rooftop renewable energy and is reviewing more details to introduce solar panels in rooftops in the second half of 2023 to achieve our Net-Zero target by 2050.

Transition to Renewable Energy

| Target | Activities | Exchange amount | Energy reduction |
|-----------------|--|---|---------------------|
| Hwasun Plant | Overall Transition to LED Lights from 2021 to 2022 | 2,064 | 96kW |
| | Control System for Maximum Electric Power in Jun, 2021 | 75 air conditioners in offices 36 outside units for air conditioners | 475kW |

Strategy for Responding to Climate Change

GC Biopharma establishes and executes environmental management plans including objectives and subjects, execution and checks, evaluations and improvements, etc. for the management of environmental facilities, reduction in GHG emissions, control of water usage and waste, and the reduction of air contaminants and hazardous chemical substances. In mid and long term, we have goals to expand renewable energy usage and achieve Net-Zero and reduce carbon emissions. We plan to set directions for responding to climate change and establish mid and long-term GHG reduction goals through the ESG committee.

Investigations on Climate Change Risk Factors and Opportunities

GC Biopharma, with GC (Holding Company) and GC Cell participate in responding to climate change through continuous discussion on TCFD recommendations based on climate change risk factors and opportunities through the ESG Council.

GC Biopharma's Climate Change Risk Factors and Opportunities

| | Classification | | Factors | Point of Impact |
|--------------------|-----------------------------------|-----------|---|--------------------------|
| Risk Factors | Physical Risks (Acute/Chronic) | Sales | Risk of discontinuance in the supply of pharmaceuticals due to abnormal weather conditions | Medium and long term |
| | Transition Risks | Costs | Increased operation costs due to increased purchases of GHG emission rights | Medium term |
| | | - | Free quotas compared to existing quotas due to stricter regulations on GHG reporting and increased GHG emission reduction targets due to additional quotas reductions | Short and medium term |
| | | Costs | Increasing costs of replacing products and services and transitioning to low-carbon technologies for a low-carbon economy | Medium and long term |
| | | - | Increase in demand for SCOPE 1, 2, 3 Net-Zero as global customer companies focus more on sustainability | Medium term |
| | | Costs | Increase in product production costs due to the increased costs of raw materials/materials | Medium term |
| | | Financing | Strengthening demand for responding to climate change from investors and stakeholders | Short and medium term |
| Oppor -tunities | Resource Efficiency | Costs | Reduction in water usage due to water management | Short and medium term |
| | Energy Resources | - | Reduction in GHG emissions and response to relevant GHG regulations through renewable energy | Short and medium term |
| | Market | Financing | Stronger ability to prepare ESG-relevant capital such as green bonds to implement a low- carbon economy | Medium term |
| | | Sales | Approach to new markets through the manufacturing of new pharmaceutical in response to climate change | Medium term |
| | Resilience | - | Better corporate image with more investment in renewable energy | Short and medium term |

GC Cell

Environment, Safety and Health Management Policy

GC Cell recognizes environment, safety and health as top priorities and sets and implements goals according to the policy of the CEO. We are determined to improve the environment by establishing policy based on ISO14001 standards, implementing eco-friendly management and following regulations and minimizing our environmental negative impacts.

GC Cell's policy for Environment, Safety and Health Management



· Performing Eco-friendly Management

We set and implement goals to reduce contaminants (air, water quality, chemical substances, waste etc.) in all processes from manufacturing to disposal after production of biopharmaceutical.

· Following Environment, Safety and Health Regulations

We continue to monitor compliance with internal and external environmental regulations independently by applying strong internal standards.

Improvement and Prevention

We discover, improve and prevent of the potential risk factors by assessing self-environmental impact and hazard of safety and health. All of these activities are reduced environmental pollution and accidents of safety and health as a result.

· Communication on Environment, Safety and Health and Activities

We improve awareness among employees and partners through their active participation of training programs and communicate with the community through various communication channels to lead progress in environment, safety and health.

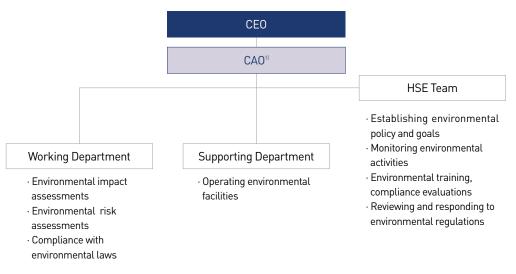
GHG Emission Goals and Performance

GC Cell sets annual goals for GHG emissions. It began collecting GHG emissions data in 2019 and restructured target systems by setting eco-friendly management systems again after the M&A in 2021. It implemented three-year goals in 2023.



Environmental Management Organization

The CAO, directly under the CEO of GC Cell, has decision-making authority and responsibility for environmental management, and the environmental management organization (HSE Team) oversees and manages environment-related tasks.



1) Chief Administration Officer

GC Cell

GHG Emissions Management

GC Cell regularly monitors GHG emissions, analyzes root causes, prepares measures and implements reductions.

GHG Emissions

| Classification | | Unit | 2020 ¹⁾ | 2021 ¹⁾ | 2022 |
|--|-------------|----------------------------|--------------------|--------------------|--------|
| Total GHG Emissions (Sco | ope 1+2) | tCO ₂ eq | 3,845 | 4,567 | 10,457 |
| Direct GHG Emissions | Total | | 1,188 | 1,654 | 3,210 |
| (Scope 1) ²⁾ | Headquarter | | 1,188 | 1,654 | 3,210 |
| Indirect GHG Emissions | Total | | 2,657 | 2,913 | 7,247 |
| (Scope 2) ²⁾ | Headquarter | | 2,657 | 2,913 | 7,247 |
| Direct/Indirect Emissions Intensity (Scope 1+2) | | tCO₂eq/ KRW 100 million | 4.844 | 2.866 | 4.726 |
| Reduction Performance in KRW Unit, Compared to the Previous Year | | % | 39.4 | 40.8 | [64.9] |

1) Figures were recalculated by adjusting the scope of data collection (All Cell Centers except offices were changed to merger standards including headquarters offices)

2) Based on the amount of electricity usage

Energy Usage Management

Energy Usage

| Classification | | Unit ^{2]} | 2020 | 2021 | 2022 |
|---|-------------------|------------------------|---------------------|---------------------|--------|
| Total Energy Usage | | TJ | 78.98 ^{1]} | 93.52 ¹⁾ | 214.78 |
| General Energy Usage | Total | | 23.45 ^{1]} | 32.65 ¹⁾ | 63.34 |
| (Direct Energy Source) | Diesel Usage | | 0.01 | 0.01 | 0.01 |
| | LNG Usage | | 23.44 ^{1]} | 32.6411 | 63.33 |
| General Energy Usage | Total | | 55.52 | 60.87 | 151.43 |
| (Indirect Energy Source) | Electricity Usage | | 55.52 ¹⁾ | 60.87 ¹⁾ | 151.43 |
| Intensity of Energy Usage within Basic Unit Organization | | TJ/ KRW 100 million | 0.099 | 0.059 | 0.097 |

1) Figures were recalculated by adjusting the scope of data collection (All Cell Centers except offices were changed to merger standards including headquarters offices)

2) Converted from GJ to TJ for opening to public in order to unify the disclosure units by affiliates

Investigations on Climate Change Risk Factors and Opportunities

GC Cell with GC (Holding Company) and GC Biopharma participate in responding to climate change through continuous discussion on TCFD recommendations based on climate change risk factors and opportunities through the ESG Council.

GC Cell's Climate Change Risk Factors and Opportunities

| Class | sification | | Factor | Point of Impact |
|--------------------|------------------------|------------------|--|-------------------------|
| Risk Factors | Physical Risks | Sales | Risk of discontinuance of the supply of pharmaceuticals due to abnormal weather conditions | Medium and long term |
| | (Acute/ Chronic) | - | Due to abnormal climate phenomena, the sophistication of the BCP (Business Continuation Management Plan) setting is required | Short term |
| | Transition Risks | Costs Costs | | |
| | | - | Increase in the management of various channels since it becomes mandatory to publicize environmental information | Short term |
| - | | - | Difficulty for the pharmaceutical industry relatively impacted less by climate change in response to climate change risks | Short term |
| | | Costs | Increase in energy costs due to increasing requests to transit into renewable energy | Medium term |
| | | Financing | Low credibility of customers and investors if stakeholders' expectations fail to be met, decline in profits and rise in the cost of borrowing | Medium and long term |
| Oppor -tunities | Resource Efficiency | Costs | Possibility of preoccupation due to comparative advantages in the same industry when establishing an eco-friendly logistics system | Long term |
| | | Costs, Assets | Achieving cuts in operational costs by designing energy- efficient buildings when securing infrastructures such as plants | Long term |
| Market | | Sales | Possibilities for frequent occurrence of infectious pandemics and endemics due to climate change, resulting in increase in new pharmaceutical. | Medium term |
| | | - | Increase in intangible assets such as brand value due to a pre- emptive company image | Medium term |

GC (Holding Company)

Environment, Safety and Health Management Policy

GC (holding company) declared its commitment to ESG management by establishing a corporate-level HSE policy which includes our intention and strategy of minimizing impacts to the environment due to our corporate activities in 2015, based on ISO14001 standards. This policy applies to all stakeholders including employees, partners and customers in supply chains. Based on this, all of GC's affiliates strengthen the managing system for the environment, safety and health by prioritizing the safety and health of stakeholders. All worksites are doing their best to spread a culture of valuing the environment, safety and health and establish worksite policies to reflect each site's characteristics, harmful and risk factors and size.

The HSE Policy of GC (Holding Company)

· Development and manufacturing of eco-friendly products

We put in effort to minimize contaminants (air, water quality, chemical substances, waste, etc.) in all processes from manufacturing to disposal and develop eco-friendly products.

 \cdot Compliance with laws relevant to the environment, safety and health

We continue to improve our environment, safety and health levels by complying with external and internal regulations and strengthening internal standards.

Improvement and Preventive Management

We set goals environment, safety and health and root out potential risk factors by supplying continuous resources and performing identification, oversight, assessment and improvements. • HSE Communication

We strengthen the awareness of stakeholders and all employees through active environment, safety and health training and activities and advance our environment, safety and health development through better understanding and communication with partners and local communities to fulfill our social responsibility.

Strategy for Responding to Climate Change

GC (Holding Company) is doing its best to respond to climate change by reducing GHG emissions to minimize environmental negative impacts, cut energy consumption, etc.

Goals for Environmental Management and Climate Change Adaptation

GC (Holding Company) performs PDCA¹¹ reviews to accomplish management goals and constantly establishes KPI for environment, safety and health.

1) Activities to continuously improve work through Plan, Do, Check, and Action etc.

GC (Holding Company)'s Goals for Environmental Management in 2023



Environment Management Organization

The HSE Team of GC (holding company) performs regular audits in regard to the environment (air and water quality, waste and chemical materials) of 15 affiliates under the grouplevel environmental management system and implements sustainable management measures (environment and safety) including legal operations and supporting work through audits.



🔶 GC

GC (Holding Company)

Sustainable Investment in the Environment

GC (Holding Company) continues to invest in eco-friendly energy efficiency through measures such as increasing air conditioning and heating efficiency in facility management teams and reducing the usage of electricity/water and the emission of air pollutants

Eco-friendly Investment Costs

| Classification | | Unit | 2020 | 2021 ¹⁾ | 2022 ^{1]} |
|----------------|-----------------|-------------|------|--------------------|--------------------|
| Investment | Total | % | 54.7 | 203.0 | 76.8 |
| Execution Rate | Planned Amount | KRW million | 25 | 48 | 39 |
| | Executed Amount | | 13 | 96 | 30 |

1) This figure reflects the cost of ISO certification and post audit by the HSE team of GC (Holding Company)

Energy Usage Management

| Classification | | Unit | 2020 ¹⁾ | 2021 ^{1]} | 2022 |
|---|-------------------|------------------------|--------------------|--------------------|------|
| Total Energy Usage | | TJ | 15.1 | 16.9 | 17.4 |
| General Energy Usage (Direct Energy Source) | Total | | 2.24 | 2.67 | 2.43 |
| | Diesel Usage | | 0.02 | 0.02 | 0.02 |
| | Gasoline Usage | _ | 0.45 | 0.40 | 0.49 |
| | LNG Usage | | 1.77 | 2.25 | 1.92 |
| General Energy Usage (Indirect Energy Source) | Total | | 12.9 | 14.2 | 15.0 |
| | Electricity Usage | | 12.9 | 14.2 | 15.0 |
| Intensity of Energy Usage within Basic Unit Organization | | TJ/ KRW 100 million | 0.02 | 0.02 | 0.03 |

1) This value reflects the change in distribution criteria by headquarters

GHG Emissions Management

GHG Emissions

| Classification | | Unit | 2020 ¹⁾ | 2021 ¹⁾ | 2022 |
|---|-------------|----------------------------|--------------------|--------------------|--------|
| Total GHG Emissions (Scope 1+2) | | tCO₂eq | 738 | 823 | 872 |
| Direct GHG Emissions (Scope 1) ²⁾ | Total | | 120 | 142 | 131 |
| | Headquarter | | 120 | 142 | 131 |
| Indirect GHG Emissions (Scope 2) ²⁾ | Total | | 618 | 681 | 741 |
| | Headquarter | | 618 | 681 | 741 |
| Direct/Indirect Emissions Intensity (Scope 1+2) | | tCO₂eq/ KRW 100 million | 0.937 | 1.113 | 1.305 |
| Reduction Performance in KRW Unit, Compared to the Previous Year | | % | 50.9 | (18.7) | (17.3) |

1) This value reflects the change in distribution criteria by headquarters 2) Based on electricity (power) usage

AREA 4. ENVIRONMENTAL RESPONSIBILITY GHG Emissions

GC (Holding Company)

Investigation on Climate Change Risk Factors and Opportunities

GC (Holding Company) with GC Biopharma and GC Cell participate in responding to climate change through continuous discussion on TCFD recommendations based on climate change risk factors and opportunities through the ESG Council.

GC (Holding Company)'s Climate Change Risk Factors and Opportunities

| Class | sification | | Factors | Point of Impact |
|---|------------|--|--|-----------------------------|
| Risk Physical Factors Risks (Acute/ | | Costs | Disruption in purchases in the green supply chain cue to abnor- mal climate conditions and expected increases in supply unit prices | |
| Chronic) | Assets | Physical damage to buildings/real estate owned by GC due to storms and flood disasters | Short term | |
| | | Sales | Decrease in cost profitability due to imbalances in supply and de- mand in the event of a natural disaster, such as an increase in the unit price of raw materials | Short term |
| | Transition | Costs | Emission debt increase due to increases in GHG credits | Long term |
| Risks | Risks | Costs | Basic operating costs (electricity, gas, constant) are expected to rise when prices for GHG emission trading rise or pan- government reduction targets are increased | Medium and long term |
| | | Costs | Increased investment costs to reduce environmental pollution and handle chemicals when disclosing environmental information, such as strengthening the inventory of GHG for GC rental/owned real estate | Short and medium term |
| | | Costs | Expected increase in the opportunity cost of environmental investment, reflecting the need for products and services for customers with environmental targets | Short term |
| | | Costs | Increase in lawsuit costs for non-compliance with environmental pollution and emission standards, in addition to legal risks | Short term |
| | | Costs | In the event of a serious accident in the safety sector, opportunity costs for safety accidents, such as harm to the corporate image and punitive damages in accordance with domestic laws, are expected to increase | Short term |
| | | Financing | Increase in investment opportunities such as the development of low-carbon medicines in the pharmaceutical industry | Short term |
| | | Costs | Increase in the cost of transition to low-carbon technology | Long term |
| | | | | |

| Classification | | | Factors | Point of Impact |
|--------------------|------------------------|-----------|---|-----------------------------|
| Risk Factors | | | Rise in customer expectations and requests for corporations to respond to climate change | Short term |
| | | Costs | Supply chain, green buyers, higher raw material prices | Short and medium term |
| | | Sales | Risks of an insecure supply of raw materials such as imbalances in the supply of raw materials | Medium term |
| | | - | Limitation on the fast development of eco-friendly products in the pharmaceutical industry $% \left({{{\boldsymbol{x}}_{i}}} \right)$ | Short term |
| | | Sales | Delays in consumer trends and eco-friendly products and a de- cline of the corporate image in the event of failure to respond | Short term |
| | | - | Negative opinions due to a lack of strategy for responding to re- quests for compliance with global climate change measures | Short term |
| Oppor -tunities | Resource Efficiency | Costs | Eco-building, energy recycling (solar/heat, waste heat resource recovery system, excellent recycling), increased investment in low- cost architectural design | Medium term |
| | Energy | Costs | Offset investment cost due to decreases in GHG credits | Long term |
| | Resource | - | Reducing energy consumption to respond to climate change and the globalization of environmental policies | Long term |
| | | - | Expected improvement in sustainable energy technology | Long term |
| | Market | Financing | Increasing shareholder value and expanding investment through technology-intensive climate change response and performance | Short term |
| | | - | Creating an environment based on pandemics, natural disasters and warming caused by climate change | Long term |
| | | - | Increase in GC and corporate brand value with a green and eco-friendly corporate image | Medium and long term |

AREA 4. ENVIRONMENTAL RESPONSIBILITY Environmental Pollutant Emissions

GC Biopharma

Safe Chemical Substances Management Strategy

All sites handling chemicals in GC Biopharma are committed to protecting the natural environment and the operators and we comply with the relevant laws and regulations such as the Chemical Substances Control Act and the Act on the Registration and Evaluation of Chemical Substances. According to all hazardous chemicals management processes stipulated in the relevant laws, the company conducts risk assessments based on MSDS¹¹, establishes appropriate safety management plans, and controls the life cycles from procurement to disposal to prevent safety accidents and environmental pollution. Through these actions, we thoroughly control introduction and disposal of chemical substances to prevent safety accidents and environmental pollution.

1) MSDS (Material Safety Data Sheets) is a document that contains information on the potential hazards (health, fire, reactivity and environment) and how to work safely with chemicals.

Chemical Substances Management System

GC Biopharma analyzes the harmfulness of hazardous chemical substances which may affect workers and the surrounding environment in the processes of incoming, handling, storage, usage and registration. We appoint responsible personnel to manage chemical substances and conduct reviews before the procurement stage through the CMS system to prevent admission into worksites without the approval of SHE Team.

Process for controlling chemical substances

| 1. Identification of chemicals | 2. Request for review and approval | 3. Procurement | 4. Storage and use | 5. Waste management |
|---|---|--|---|--|
| Having MSDS Registration of chemical substances in electric system | Process approval (new materials) Decision to accept new materials by the SHE Team(new materials) | Review of regulations (present & new materials) Decision to purchase new materials by the SHE Team | Checking appropriate handling facilities Providing personal protective equipment and disaster prevention equipment Safe training on hazardous chemical substances | Legal disposal in accordance with relevant laws |

Training on Chemical Substance Management

GC Biopharma performs regular safety training for handlers dealing with chemical substance, emergency training on control of facilities for chemical substance and leakage of chemical substance. We manage MSDS including how to handle and store products and materials, name and ingredients of materials, harmfulness, risks and necessary protective equipment and train MSDS for users in order to prevent occupational disease, fire, explosion and accidents. Also, we secure and put up MSDS for all chemical substances and perform safety training for employees including toxic and risk information for materials, handling precautions and emergency measures etc. regularly.

Annual Training Contents for Chemical Substances Management

- · Chemical substances handled by each department
- How to understand material safety data sheets (MSDS) and warning signs
- · Physical and health hazards of chemicals
- · Precautions for handling chemical substances
- · Appropriate protective equipment for handling chemical substances
- \cdot How to take emergency measures in case of chemical leaks and how to deal with accidents
- \cdot Recognition of signs of chemical accidents and how to avoid accidents
- \cdot How to report the occurrence of chemical accidents and transmit information about accident situations
- \cdot How to take emergency measures when exposed to the human body.

Scope of Response to Chemical Regulations

| Chemical Substances Control Act | Hazardous chemical substances Restricted substances Prohibited substances | Substances requiring preparation for accidents Approved substances | |
|---|--|--|--|
| Occupational Safety and Health Act | Occupational exposure limits for chemical substances Working environment measurement Hazardous substances requiring management | Harmful substances subject to permission Substances prohibited from manufacturing Special health examination harmful agents Special management materials | |
| Act on Safety Control of Hazard- ous Substances | Class 1 Oxidizing Solids Class 2 Combustible Solids Class 3 Pyrophoric materials and water reactive chemical Class 4 Flammable liquids Class 5 Self-reactive substances Class 6 Oxidizing liquids | | |

AREA 4. ENVIRONMENTAL RESPONSIBILITY Environmental Pollutant Emissions

GC Biopharma

Air Pollutants Management

We continue to monitor and control the operation and maintenance of air emission facilities to prevent pollution. We check our compliance with emission acceptable levels through outsourcers measuring environment pollution.

Emissions of Air Pollutants

| Classification | | Unit | 2020 | 2021 | 2022 |
|-----------------|-----------------------------------|------|-------|------|------|
| Total amount of | Total | Ton | 13.33 | 9.59 | 7.13 |
| air pollutants | Nitrogen oxide (NOx) | | 11.87 | 9.01 | 6.53 |
| | Sulfur oxides (SOx) | | 0.34 | 0.05 | 0.10 |
| | Fine particle matter (PM) | | 1.08 | 0.43 | 0.27 |
| | Total hydrocarbon (THC) | | 0.04 | 0.10 | 0.23 |
| | Volatile organic compounds (VOCs) | | 0.00 | 0.00 | 0.00 |

Water Pollutants Management

GC Biopharma efficiently controls water pollutants in worksites in accordance with the emission standards for water pollutants and independently measures water pollution levels twice a month, especially for wastewater in treatment facilities. We measure specific hazardous substances in wastewater treatment facilities and plants twice a year and report the investigations on specific hazardous water substances every March.

GC Biopharma Ochang Plant operates three sedimentation tanks in the wastewater treatment area, where two tanks are utilized 24/7 and the rest is kept idle on standby for use during contingencies. The Ochang Plant of GC Biopharma routinely prepares the latest drawings for the water treatment tank for all worksites to enable efficient water pollution prevention as part of facility management.

Emissions of Water Pollutants

| | Classification | Unit | 2020 | 2021 | 2022 |
|--------------|--|------|-------|--------|--------|
| Total amount | Total | Ton | 8.607 | 11.271 | 18.234 |
| of water | Biological oxygen demand (BOD) | | 0.944 | 1.165 | 0.886 |
| pollutants | Chemical oxygen demand (COD) ¹⁾ | | 3.641 | 3.843 | 2.572 |
| | Suspended solids (SS) | | 1.285 | 2.164 | 2.104 |
| | Total nitrogen (T-N) | | 0.833 | 2.089 | 1.030 |
| | Total phosphorus (T-P) | | 0.252 | 0.625 | 1.173 |
| | Others ^{2), 3)} | | 1.652 | 1.385 | 10.469 |

1) There were exceptions in the measuring of some worksites due to the revision of the Environmental Conservation Act (change of COD into TOC). Only TOC was measured in 2023

2) Contains n-hexane mineral oils (N-H (light), n-hexane oils (N-H (copper), TOC (total organic carbon), pH, and specific water hazards

3) The pH concentration was calculated as the average of four plants

AREA 4. ENVIRONMENTAL RESPONSIBILITY Environmental Pollutant Emissions

GC Cell

Establishing for the Chemical Substance Management System

GC Cell implements real-time registration of chemical substances, inquiring product hazardous information and MSDS¹¹ to control chemical substances for the all life cycle. In particular, we perform preliminary approval steps to judge whether a new chemical substance is appropriate for use at the site and only those passing the all life cycle of chemical substances through a review of relevant legislations in 2023 and 3rd party verification to respond to GHS²¹, the Chemical Substances Control Act and K-REACH (The Act on Registration and Evaluation, etc. of Chemicals) within the second half of the year.

1) MSDS (Material Safety Data Sheets) is a document that contains information on the potential hazards (health, fire, reactivity and environment) and how to work safely with chemicals

2) GHS (Global Harmonized System): Grade according to the toxicity of chemical substances

Direction and Tasks for Establishing a Chemical Substance Control System



Chemical Substance Management Activities

GC Cell continues to manage inventory information, perform inspections on handling facilities for hazardous chemical substances and collect MSDS data. We also provide on-site personal protective equipment and place disaster prevention equipment for emergency use. In addition, we strive to create a safe environment by measuring worksite environmental conditions and providing special training and special health checkups.

Air Pollutants Management

We minimize nitrogen oxide emissions, the main source of GHG emissions due to the low NOx device of boiler facility. We also manage contaminant emissions by measuring air pollutants every half a year and undergoing boiler safety and performance tests to improve the efficiency of boilers, reduce load factors.

Air Pollutant Emissions

| | Classification | Unit | 2020 | 2021 | 2022 |
|------------------|----------------|------|------|------|------|
| Total Amount | Total | Ton | 0.19 | 0.25 | 0.07 |
| of Air Pollutant | NOx | | 0.19 | 0.25 | 0.07 |

Water Pollutants Management

To reduce water pollution, bio-wastewater generated during manufacturing is transferred to a kill tank, sterilized with steam, cooled, and discharged into the sewage system. In addition, the level of contamination of water pollutants in discharge facilities is measured (measurement items: BOD, TOC, SS, T-N, and T-P) and monitored quarterly through third-party organizations.

Water Pollutant Emissions

| | Classification | Unit | 2020 | 2021 | 2022 |
|--------------|-------------------|-------|-------|-------|-------|
| Total Amount | Total | Ton | 0.022 | 0.063 | 0.151 |
| of Water | BOD | - · · | 0.001 | 0.002 | 0.001 |
| Pollutants | COD ¹¹ | | 0.006 | 0.029 | 0.044 |
| | SS | | 0.001 | 0.001 | 0.003 |
| | T-N | | 0.013 | 0.028 | 0.099 |
| | T-P | | 0.001 | 0.003 | 0.004 |

1) Exception of COD (COD-)TOC)due to the revision of the Environmental Conservation Act.

AREA 4. ENVIRONMENTAL RESPONSIBILITY Waste Emissions

GC (Holding Company)

Establishing the Basis for the Chemical Substances Management System

GC (Holding Company) is expected to review possible application of CMS system into GC Biopharma for listed affiliates to establish a basis for GC Group's chemical substances management system.

Air Pollutants Management

Air Pollutant Emissions

| Classification | | Unit | 2020 | 2021 | 2022 |
|-----------------|-------|------|------------|------------|------------|
| Total Amount of | Total | Ton | 0.13 | 0.15 | 0.11 |
| Air Pollutants | NOx | | 0.13 | 0.15 | 0.11 |
| | SOx | | Undetected | Undetected | Undetected |
| | PM | | Undetected | Undetected | Undetected |
| | VOCs | | N/A | N/A | N/A |

Implementing Environmental Monitoring and Reductions

GC (Holding Company) assigns quantitative goals, such as reducing environmental pollution and improving potential risk factors, to listed affiliates (GC Cell, GCMS, GCWB (GC Cell, GC Green Cross MS, GC Green Cross Wellbeing) and checks the progress every half a year (twice a year). We establish plans for reducing the root causes of 85 risk factors and perform 1st improvement measures through an appointed manager. Thereafter, we continue monitoring whether to the goals for reducing additional potential risk factors are met, in regular meetings with partners and consignors, and systematize regular meetings to review validity checks and prevent recurrences.

GC Group

Waste Management Strategy

GC Group establishes goals for waste emissions and minimizes waste generated across all of its operations. Also, we establish waste control procedures in accordance with waste legislations and safely handle waste, minimize environmental impacts by separately sending out waste and minimizing the amount of waste. In particular, medical waste (quarantined medical waste, hazardous medical waste, and general medical waste) generated due to the nature of the pharmaceutical industry is entrusted to a professional company in accordance with due process, and related information is reported to the competent authority.

GC (Holding Company)

Waste Management

GC (Holding Company) is a worksite that does not send out designated waste and only controls the amount of waste produced in general worksites (waste synthetic resin).

Waste Management and Recycling

| Cla | Unit | 2020 | 2021 | 2022 | |
|-------------------------|----------------------------------|------|------|------|------|
| Amount of Waste | Total | Ton | 73 | 138 | 164 |
| | General Waste ¹¹ | | 73 | 138 | 164 |
| Throughput of Waste | Total Amount of Waste | Ton | 0 | 0 | 0 |
| (Landfill) | Total Percent of Waste | % | 0.0 | 0.0 | 0.0 |
| Throughput of Waste | Total Amount of Incineration | Ton | 60 | 132 | 148 |
| (Incineration) | Total Percent of Incineration | % | 81.9 | 95.2 | 90.3 |
| Throughput of Recycling | Total Recycling Amount of Waste | Ton | 13 | 7 | 16 |
| | Total Recycling Percent of Waste | % | 18.1 | 4.8 | 9.7 |

1) Management including general waste of GC Cell

AREA 4. ENVIRONMENTAL RESPONSIBILITY Waste Emissions

GC Biopharma

Waste Management

GC Biopharma prevents environmental pollution by maintaining clean living and manufacturing environments through the proper management of waste across all of its operations. Waste is treated by the consignment contract for collecting, delivering and treating waste in accordance with the Chemical Substance Control Act. Only a registered contractor can collect, deliver and treat waste and we minimize waste through recycling.

Waste Management and Recycling

| Cla | Unit | 2020 | 2021 | 2022 | |
|-------------------------|----------------------------------|------|-------|-------|-----------------|
| Amount of Waste | Total | Ton | 3,219 | 3,322 | 3,344 |
| | General Waste | | 2,865 | 3,072 | 3,076 |
| | Designated Waste | | 304 | 201 | 151 |
| | Medical Waste | | 50 | 49 | 117 |
| Throughput of Waste | Total Amount of Waste | | 158 | 170 | O ¹⁾ |
| (Landfill) | Total Percent of Waste | % | 4.9 | 5.1 | 0.01 |
| Throughput of Waste | Total Amount of Incineration | Ton | 1,203 | 1,174 | 1,275 |
| (Incineration) | Total Percent of Incineration | % | 37.4 | 35.4 | 38.1 |
| Throughput of Recycling | Total Recycling Amount of Waste | Ton | 1,859 | 1,978 | 2,068 |
| | Total Recycling Percent of Waste | % | 57.7 | 59.5 | 61.8 |

GC Cell

Waste Management

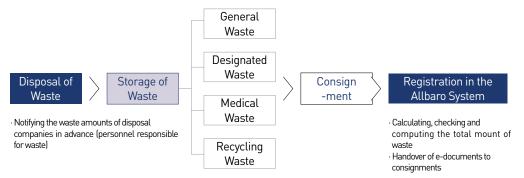
GC Cell separately disposes waste, classified into general waste, medical waste and designated waste, generated in our R&D and production sites and offices. Responsible personnel in charge of the environment in GC Cell monitors our performance in the Allbaro System run by the Ministry of Environment and monitors whether all waste is confirmed to be treated legally.

Waste Management and Recycling Classification 20211 2022 Unit 20201 Amount of Waste Total Ton 14 26 89 8 **Designated Waste** 6 8 Medical Waste 6 20 80 89 Throughput of Waste Total Amount of Incineration 14 26 (Landfill) Total Percent of Incineration % 100 100 100 Throughput of Recycling Total Recycling Amount of Waste Ton 0 0 0 0 0 0 Total Recycling Percent of Waste %

1) Figures were recalculated by adjusting the scope of data collection (All Cell Centers except offices were changed to merger standards including headquarters offices)

1) Waste water and landfills in Hwasun Plant were converted to recycling (landfill->recycling)

Waste Treatment Process



GENERAL DISCLOSURE

- 80 General
- 89 Economy
- 94 Environment
- 97 Society





GRI 2: Organization and Business

Organization Information GRI 2-1 | GRI 2-2 | GRI 2-3 | GRI 2-4 | GRI 2-5 | GRI 2-6

General Disclosures

| | Index | Remark |
|--|--|---|
| Organizational details | Legal name | GC Corp. (Hereafter GC (Holding Company), GC Biopharma, GC Cell |
| | Nature of ownership and legal form | Refer to Corporation, 'Number of Shares' p. 84 |
| | Location of headquarters | 107, Ihyeon-ro 30beon-gil, Giheung-gu, Yongin-si, Gyeonggi- do, Republic of Korea |
| | Countries of operation | Refer to 'Network and Infrastructure' p. 8 |
| Entities included in the organization's sustainability reporting | | Major affiliates of GC Group including GC (Holding Company), GC Biopharma, GC Cell |
| Reporting period, frequency and | Reporting period and frequency | Qualitative data : Jan,1, 2022 ~ Dec, 31, 2022 If necessary, include performance in the first half of 2023 Quantitative data : Three-year data from 2020 to 2022 |
| contact point | Reporting period for financial disclosures | Jan,1, 2022 ~ Dec, 31, 2022 |
| | Publication date | Aug, 29, 2023 |
| | Contact point | GC ESG TF(gc_esgldgccorp.com) |
| Restatements o | of information | Changes compared to the previous year are explained in the notes of the information and for changes related to mergers and acquisitions, please refer to our '57th Business Report, I-1. B.' Changes in the consolidated company. |
| External Assura | ance | Refer to 'Third-Party Assurance Statement' p. 134 |

Activities, Value Chain, Other Business Relations GRI 2-7

| Businesses | - | |
|-------------|-----|---------|
| Basilicosco | Rus | INASSAS |
| | Du3 | 1103505 |

| | Index | Remark | | |
|---|--|---|--|--|
| Activities, value chain and other business relationships | Business sector | Refer to 'Company Overview' p. 6 | | |
| | Activities, products, services, and markets served | Refer to 'Affiliates' p. 9~14 | | |
| | Supply chain | Refer to 'Supply Chain ESG Management' p. 50~52 & 'Coprosperity with Partners' p. 116 | | |

GRI 2: Employees

Employees and Workers who are not employees GRI 2-8

Employees (As of Dec, 31, 2022)

| | | Classifica | ation | | Unit | 2020 | 2021 | 2022 | | | |
|---|---|--------------------|----------------------|-----------|---------|-------------------------------------|---|---------|-------|-------|-------|
| GC Total | | Total | | | Persons | 165 ¹⁾ | 146 | 163 | | | |
| (Holding | Employees | Gender | Male | Personnel | | 121 ^{1]} | 99 | 102 | | | |
| Holding En Company) Nu En En Tyj GC To Biopharma En Nu En Tyj GC Cell To | | | Female | Personnel | | 44 ^{1]} | 47 | 61 | | | |
| | | Age | Under 30 | Ratio | % | 17.6 | 146 99 47 16.4 76.7 6.8 143 3 2.1 2,187 1,640 547 15.7 ²¹ 75.9 8,4 ²¹ 2,093 94 4.3 799 ¹¹ 521 ¹¹ 278 ¹¹ 45.4 ¹¹ 49.2 ¹¹ 5,4 ¹¹ | 14.7 | | | |
| | | | Over 30 and Under 50 | Ratio | | 72.9 | | 76.7 | | | |
| | Number of iopharma Regular Type Male Personn Female Number of Employees by Employment Type Regular Workers Male Personn Total Total Total Type Total Total Mumber of Employees by Employment Total Male Personn Type Workers Total Total Mumber of Employees Total Male Personn Age Male Personn Personn Male Personn Female Personn Function Regular Male Personn Female Personn Female Personn Age Under 30 Ratio Over 50 Ratio Over 50 Ratio Over 50 Ratio C Cell Total Total Total Employees Total Total Personn Female Personn Female Personn Age Under 30 Ratio Over 50 C Cell Total Total To | | Over 50 | Ratio | | 9.7 | | 8.6 | | | |
| | | | Persons | 165 | 143 | 160 | | | | | |
| | | | Total | | | 0 | 3 | 3 | | | |
| | | Workers | Ratio of Temporary W | orkers | % | 0.0 | 2.1 | 1.8 | | | |
| | Total | Total | | | Persons | 2,076 | 2,187 | 2,302 | | | |
| Biopharma | Employees | Gender | Male | Personnel | | 1,589 | 1,640 | 1,712 | | | |
| }iopharma En | | | Female | Personnel | | 487 | 547 | 590 | | | |
| | | Age | Under 30 | Ratio | % | 18.9 15.7 ⁴ 73.3 75.9 | 15.7 ^{2]} | 15.8 | | | |
| | | | Over 30 and Under 50 | Ratio | | | 75.9 | 75.7 | | | |
| | | | Over 50 | Ratio | | 7.9 | 8.42 | 8.5 | | | |
| | Employees by | Employees by _V | | | 5 | Total | | Persons | 2,042 | 2,093 | 2,105 |
| | | | | Total | | | 34 | 94 | 197 | | |
| | Type | Workers | Ratio of Temporary W | orkers | % | 1.6 | 4.3 | 8.6 | | | |
| GC Cell | Total | Total | | | Persons | 445 ^{1]} | 799 ^{1]} | 838 | | | |
| | | Gender | Male | Personnel | | 345 ^{1]} | 521 ¹⁾ | 536 | | | |
| | | | Female | Personnel | | 100 ^{1]} | 2781 | 302 | | | |
| | | Age | Under 30 | Ratio | % | 41.8 ^{1]} | 45.4 ¹⁾ | 39.0 | | | |
| | | - | Over 30 and Under 50 | Ratio | | 53.0 ^{1]} | 49.2 ^{1]} | 56.2 | | | |
| | | | Over 50 | Ratio | | 5.2 ^{1]} | 5.41 | 4.8 | | | |
| | Number of Employees by | Regular Workers | Total | | Persons | 399 | 728 | 776 | | | |
| | Employment | Temporary | Total | | | 46 | 71 | 62 | | | |
| | Туре | Workers | Ratio of Temporary W | orkers | % | 10.3 | 8.9 | 7.4 | | | |

1) Adjusted and disclosed based on the number of persons in business report on DART 2) This value is reflected by correcting errors that are not under the age of 30 but under the age of 30

G GENERAL

GRI 2: Governance

BOD Composition and Operation GRI 2-9

- · Each affiliate of GC Group independently operates board of director.
- Maintain sound governance through responsible management system for individual board of director such as mutual control and balance between board of director and the management
- \cdot GC (Holding Company), GC Biopharma operate Management Committee inside BOD
- Establish Management Committee to make a timely decision regularly on critical management issues delivered by BOD
- Management Committee consists of three directors(Inside director) to make quick decision to live up to changing management environment
- Decisions made by Management Committee are shared with BOD members and if necessary BOD discuss those decisions again and make final decisions.

| BOD Con | OD Composition (As of Mar, 31, 2023) | | | | | | | | | |
|----------------------------|--------------------------------------|---------------------|--------|---------------|-------------------------------------|---|--|--|--|--|
| Class | ification | Name | Gender | Term | Position | Educational Background and Career | | | | |
| GC (Holding Company) | Inside director | Il-Sub Huh | Male | 2023.3~2025.3 | Chairman & CEO | Ph.D. in Business Administration (Houston University) Member of Management Committee | | | | |
| Company | | Yong-Jun Huh | Male | 2023.3~2025.3 | CEO | Chairman of BOD Chairman of Management Committee | | | | |
| | | Yong-Tae Park | Male | 2023.3~2025.3 | Vice Chairman | Member of Management Committee | | | | |
| | Independent director | Suk-Wha Kim | Male | 2022.3~2024.3 | - | Ph.D. in Medical Science (SNU) Professor of Bundang Cha Hospital Former professor at Seoul National University Medical School | | | | |
| GC Biopharma | Inside director | Eun-Chul Huh | Male | 2022.3~2024.3 | CEO | Ph.D. in Science (Cornell University) Chairman of BOD Chairman of Management Committee | | | | |
| | | Hyun Namkoong | Female | 2022.3~2024.3 | Head of sales department | Pharmacist Member of Management Committee | | | | |
| | | Seung-Ho Lim | Male | 2023.3~2025.3 | Head of production department | • Member of Management Committee | | | | |
| | Independent director | Choon-Woo Lee | Male | 2022.3~2024.3 | - | Ph.D. in Business Administration (SNU) Professor of management at University of Seoul | | | | |
| GC Cell | Inside | James Park Jong-Eun | Male | 2023.3~2025.3 | CEO | · Chairman of BOD | | | | |
| | director | Soon-Young Park | Male | 2023.3~2025.3 | CSO | • M.A of business administration (Korea University) | | | | |
| | | Ho-Won Kim | Male | 2023.3~2025.3 | CTO | Ph.D of Biochemistry (UCLA) | | | | |
| | Independent director | Hong-Gi Bae | Male | 2023.3~2025.3 | - | Representative of Seohyun Accounting Firm Accountant | | | | |

- \cdot BOD in GC Group is operated in accordance with the article of incorporation and regulations for BOD and Management Committee .
- GC (Holding Company)'s articles of incorporation (Shortcut®), GC Biopharma's articles of incorporation (Shortcut®), GC Cell's articles of incorporation (Shortcut®)

BOD Composition Rate

| | | Classification | | Unit | 2020 | 2021 | 2022 |
|-----------------------------|-------------|--|-------------------------------|---------|------|------|------|
| GC | Composition | Total Number of Persons | | Persons | 4 | 4 | 4 |
| (Holding Company) | | Independent Director (Non-standing) | Ratio of Independent Director | % | 25 | 25 | 25 |
| | | Female Director | Ratio of Female Director | | 0 | 0 | 0 |
| GC Composition Biopharma | Composition | Total Number of Persons | | Persons | 4 | 4 | 4 |
| | | Independent Director (Non-standing) | Ratio of Independent Director | % | 25 | 25 | 25 |
| | | Female Director | Ratio of Female Director | - | 25 | 25 | 25 |
| GC Cell | Composition | Total Number of Persons | | Persons | 4 | 7 | 4 |
| | | Independent Director (Non-standing) | Ratio of Independent Director | % | 25 | 28.6 | 25 |
| | | Female Director | Ratio of Female Director | | 25 | 14.3 | 0 |

| Board Member | Competence Matrix | | | | |
|----------------|--------------------------------------|---------------------|-----------------|---------------|---------------|
| Classification | Competence | Il-Sub Huh | Yong-Jun Huh | Yong-Tae Park | Suk-Wha Kim |
| GC (Holding | Management | O | \bigcirc | 0 | |
| Company) | Industrial Expertise (Medical) | | | | O |
| Classification | Competence | Eun-Chul Huh | Hyun Namkoong | Seung-Ho Lim | Choon-Woo Lee |
| GC Biopharma | Management | 0 | | | 0 |
| | Industrial Expertise (R&D) | 0 | | | |
| | Industrial Expertise (Marketing) | | O | | |
| | Industrial Expertise (Production) | | | O | |
| | Industrial Expertise (Medical) | | O | | |
| Classification | Competence | James Jong-Eun Park | Soon-Young Park | Ho-Won Kim | Hong-Gi Bae |
| GC Cell | Management | 0 | | 0 | |
| | Accounting / Finance | | | | 0 |
| | Industrial Expertise (R&D) | | | 0 | |
| | Industrial Expertise (Sales) | 0 | 0 | | |



GRI 2: Governance

BOD Composition and Operation GRI 2-9

BOD Operation

| | | Classifica | tion | Unit | 2020 | 2021 | 2022 | |
|---------------------------|-----------|---------------------------|---|---|------------------|------------------------|------|----|
| GC (Holding Operation | | Attendance Rate of | Total | % | 100 | 100 | 100 | |
| Company) | | BOD | Independent Director (Non-standing) | | 100 | 100 | 100 | |
| | | BOD Meetings Held | | Times | 7 | 7 | 7 | |
| | | The Number of Agendas | The Number of Overall Meetings (Report and Decision) | Cases | 15 | 18 | 24 | |
| | | The Number of ESG Agendas | | 2 | 2 | 6 | | |
| | | | The Number of Correction/Rejection Agendas by Independent Director | | 0 | 0 | 0 | |
| GC Operation Biopharma | Operation | Attendance Rate of | Total | % | 100 | 100 | 100 | |
| | | BOD | Independent Director (Non-standing) | | 100 | 100 | 100 | |
| | | BOD Meetings Held | | Times | 6 | 6 | 7 | |
| | | The Number of Agendas | The Number of Overall Meetings (Report and Decision) | Cases | 16 ^{1]} | 15 ¹⁾ | 24 | |
| | | | The Number of ESG Agendas | _ | 3 | 4 | 6 | |
| | | - | The Number of Correction/Rejection Agendas by Independent Director | | 0 | 0 | 0 | |
| GC Cell | Operation | Attendance Rate of | Total | % | 76 | 70 | 80 | |
| | | BOD | Independent Director (Non-standing) | | 56 | 47 | 65 | |
| | | BOD Meetings Held | | Times | 9 | 13 | 9 | |
| | | | The Number of Agendas | The Number of Overall Meetings (Report and Decision) | Cases | 9 ^{1]} | 28 | 24 |
| | | | The Number of ESG Agendas | | 0 | 2 | 3 | |
| | | | The Number of Correction/Rejection Agendas by Independent Director | | 0 | 0 | 0 | |

1) Adjusted based on the business report on the DART

BOD Transparency GRI 2-15 | GRI 2-16 | GRI 2-17

- In order to prevent transactions that pursue private interests of directors, executives, or major shareholders, GC Group systematically blocks the possibility of conflicts of interest by making the approval of transactions between major shareholders, directors, etc. and the company a special resolution of BOD.
- Directors who have a special interest in the agenda of BOD are restricted from exercising their voting rights.
- · Management Committee decisions are notified to each director within 5 business days.

Nomination and Selection of Directors and Chairman of BOD GRI 2-10 | GRI 2-11

- · GC (Holding Company), GC Biopharma, GC Cell
- Directors are appointed at the general shareholders' meeting with the recommendation of BOD.
- In accordance with the Commercial Act and related laws, independent directors are appointed after deliberation by BOD on the suitability of performing duties as an independent director, targeting candidates who have not had any transaction with the largest shareholder or related parties for the past three years

Performance

Revision of Articles of Incorporation

• GC Group revised its Articles of Incorporation at the general shareholders' meeting in March 2022 to appoint the chairman of BOD from among the directors, allowing the CEO and chairman of BOD to be separated

- Establish basis for strengthening independence and management transparency of BOD

Strengthening Independence of BOD

- GC Group checks the interests required by related laws, such as the criteria for judging independence under Article 382 of the Commercial Act, from the stage of appointing independent directors so that independent directors can supervise and support the company's management in an independent position from management
- \cdot Limiting the number of concurrent positions of outside directors to two or less in accordance with legal standards
- Appointing independent director, check concurrent positions in another company through the 'Confirmation of Qualifications for Outside Director', improve expertise and responsibility by appointing a person as independent director with long experience and expertise in the company's business field.
- Support various business for independent directors for their efficiently performing their roles.
- Support them through the BOD department
- Regulations such as rights to request information etc. (Ensure rights for independent directors to request information to GC, if necessary, they can get training and assistance from experts outside the company.)

G GENERAL

GRI 2: Governance

BOD's Role GRI 2-12 | GRI 2-13 | GRI 2-14

ESG Management Implementation System(Refer to p.23)

GC Group's BOD shall perform and supervision of agenda items such as general shareholders' meeting, management (including ESG), finance, investment and expenditure, sales and production, appointment of directors, and establishment and operation of committees within the board of directors
 In particular, some management agendas are delegated to Management Committee for timely response and critical maters are decided and presented again to BOD.

Evaluation of BOD's Performance and Compensation GRI 2-18 | GRI 2-19 | GRI 2-20

Management's key performance indicators (KPIs)(Refer to p.96)

- When their tenure is over, determining reappointment in the board meeting at the end of their tenure based on the evaluation of directors
- Based on attendance rate of BOD and performance(Achieving company's management goals and enhancing corporate image etc.).
- The compensation of directors is appropriately decided within the limits of the compensation granted by the resolution of the general shareholders' meeting, taking into account the duties, roles and responsibilities of the directors.
- Independent directors are not paid additional performance-based compensation to ensure independence.
- How to evaluate performance : Revenue, financial statement such as net profit during the term and whether to achieve KPIs etc.

| Compensat | Compensation of Management | | | | | | | | | | |
|-------------|--|-------------------------------------|---------|-------|---------------------|-------|--|--|--|--|--|
| | Cla | Unit | 2020 | 2021 | 2022 | | | | | | |
| GC (Holding | Total Amount | Total | KRW | 2,479 | 2,660 | 2,459 | | | | | |
| Company) | of BOD Compensation | Inside Director | million | 2,443 | 2,624 | 2,423 | | | | | |
| | | Independent Director (Non-standing) | _ | 36 | 36 | 36 | | | | | |
| GC | Total Amount of BOD Compensation | Total | | 1,569 | 1,970 ¹⁾ | 1,698 | | | | | |
| Biopharma | | Inside Director | | 1,533 | 1,934 | 1,662 | | | | | |
| | | Independent Director (Non-standing) | | 36 | 36 | 36 | | | | | |
| GC Cell | Total Amount of BOD Compensation | Total | | 697 | 1,399 | 1,775 | | | | | |
| | | Inside Director | | 673 | 1,349 | 1,706 | | | | | |
| | | Independent Director (Non-standing) | | 24 | 50 | 69 | | | | | |

1) The amount after subtracting the severance pay for one resigned director from the total compensation of KRW 2.66 billion in the business report

Audit

• GC(Holding Company), GC Biopharma and GC Cell have a full-time auditor, and there is no obligation to establish an Audit Committee under the Commercial Act since the total assets are less than KRW 2 trillion on a separate basis.

Performance

Audit Organization

- \cdot Operate a full-time audit that conducts audits while working full-time at the company based on Article 542-10 (1) of the Commercial Act
- Improve transparency in corporate management, such as soundness of accounting and financial activities and internal control system evaluation.
- The appointment of auditors meets the qualifications under relevant statutes, such as the Commercial Act, and secures independence and expertise by appointing experts with long experience in finance, accounting, and management.
- Providing proper compensation decided by general meetings of shareholders considering works and responsibilities of auditors to secure work fidelity.

External Auditor

- Securing objectivity and transparency for financial information through regular audits by independent external auditor
- 'Qualified' of 2022's fiscal year independent auditor's review for GC (Holding Company), GC Biopharma, GC Cell
- \cdot The external auditor attends the general shareholders' meeting and explains and responds to questions from shareholders regarding the audit report submitted.

Internal Control Organization

- Established internal accounting control regulations and operating an organization dedicated to internal accounting control In order to write and disclose reliable accounting information.
- After evaluating the operation of the internal accounting control system every year, CEO reports the results to BOD and general shareholders' meeting to enhance the transparency and reliability of accounting information.
- The Audit Team, an internal audit department, strives for effective internal control by establishing and approving audit plans, conducting regular and occasional audits, and preventing risks in advance.

G GENERAL

GRI 2: Governance

Shareholder-Friendly Policy

- · GC Group stipulates that one vote per one share in the articles of incorporation to grant voting rights fairly for shareholder.
- GC Group understands that shareholders' rights cannot be deprived or restricted, respects shareholders' rights in accordance with laws and articles of incorporation, and decides to protect and guarantee the rights through AGM.
- Shareholders of GC Group may propose an agenda at the AGM in accordance with the Commercial Act and related laws (the right to propose to shareholders in Article 363-2 of the Commercial Act) and have the right to inquire about the agenda and demand for an explanation.

Performance

Shareholder Return Policy

- · GC Group aims for a stable dividend policy based on company management performance
- The top priority is to increase shareholders value and expand shareholders return.
- Provide annual dividends for shareholders to return management performance by considering forecast earning and financial solvency within net profit.
- Annual dividend scale is decided by BOD every year and is informed to all shareholders before AGM is held.
- · After AGM's decision, dividends are provided for shareholders within one month.

Communication with Shareholders

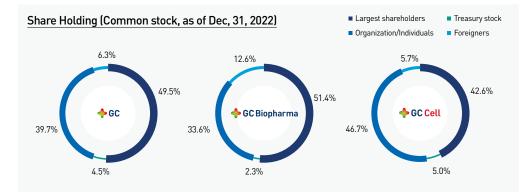
- GC Group shares the company's management performance and major issues with shareholders through AGM, provides them with a free opportunity to speak and provides a sufficient explanation for shareholders' questions.
- In order to secure corporate transparency and confidence, NDR (Non-Deal Roadshow) is held for institutional investors, and various IR activities are conducted, such as participating in Corporate Day and conferences held by stock firms.
- Also, the company's business contents, financial statement, and management performance are disclosed transparently through the website and the Financial Supervisory Service's electronic disclosure system, DART (Data Analysis, Retrieval and Transfer System).

Increase Shareholder Value

- GC Group's listed affiliates scheduled our regular AGM with different date to the opening date designated by the Financial Supervisory Service
- Implementing the safety management of participants in the AGM in accordance with the government's quarantine management guidelines for COVID-19.
- \cdot Notification of the date, time, place, and purpose of the meeting has been made no later than two weeks before the date of the AGM.
- The business report and the audit report are disclosed one week before the AGM to review the management performance and key status in advance.
- · Electronic voting system was introduced and operated to enhance shareholder convenience

Implementation System for Recommendation of Proxy Solicitation

· GC (Holding Company) and GC Biopharma implement system for recommendation of proxy solicitation from 2022's AGM based on Capital Market Act so that shareholders can express their various decision rights.





GRI 2: Governance

Shareholder-Friendly Policy

Shareholder and Dividend

| | | Classification | Unit | 2020 | 2021 | 2022 |
|-------------|-----------|--------------------------------------|-------------|-------------|-------------|-------------|
| GC (Holding | Major | Face Value of Stock | KRW | 500 | 500 | 500 |
| Company) | dividend | Net Profit | KRW million | 170,960 | 55,270 | 32,823 |
| | indicator | Earnings per Share | KRW | 3,793 | 1,222 | 727 |
| | | Total Amount of Cash Dividend | KRW million | 22,702 | 18,162 | 13,622 |
| | | Cash Dividend Payout Ratio | % | 13.3 | 32.9 | 41.5 |
| | | Cash Dividend Yield Ratio | | 1.4 | 1.5 | 1.7 |
| | | Cash Dividend Per Stock | KRW | 500 | 400 | 300 |
| | lssued | Total Amount of Possibility of Issue | Stock | 150,000,000 | 150,000,000 | 150,000,000 |
| | stocks | Total Amount of Issued Stocks | | 49,543,070 | 49,543,070 | 49,543,070 |
| | | Treasury Stock | | 4,141,339 | 4,141,339 | 4,141,339 |
| | | Number of Shares Ready to Trade | | 45,401,731 | 45,401,731 | 45,401,731 |
| GC | Major | Face Value of Stock | KRW | 5,000 | 5,000 | 5,000 |
| Biopharma | dividend | Net Profit | KRW million | 81,049 | 123,212 | 65,453 |
| | indicator | Earnings per Share | KRW | 7,101 | 10,796 | 5,735 |
| | | Total Amount of Cash Dividend | KRW million | 17,120 | 22,826 | 19,973 |
| | | Cash Dividend Payout Ratio | % | 21.1 | 18.5 | 30.5 |
| | | Cash Dividend Yield Ratio | | 0.4 | 0.9 | 1.3 |
| | | Cash Dividend per Stock | KRW | 1,500 | 2,000 | 1,750 |
| | lssued | Total Amount of Possibility of Issue | Stock | 30,000,000 | 30,000,000 | 30,000,000 |
| | stocks | Total Amount of Issued Stocks | | 11,686,538 | 11,686,538 | 11,686,538 |
| | | Treasury Stock | | 273,360 | 273,360 | 273,360 |
| | | Number of Shares Ready to Trade | | 11,413,178 | 11,413,178 | 11,413,178 |
| GC Cell | Major | Face Value of Stock | KRW | 500 | 500 | 500 |
| | dividend | Net Profit | KRW million | 4,095 | 30,064 | 24,169 |
| | indicator | Earnings per Share | KRW | 394 | 2,785 | 1,664 |
| | | Total Amount of Cash Dividend | KRW million | 1,055 | 0 | 5,256 |
| | | Cash Dividend Payout Ratio | % | 25.4 | 0 | 21.8 |
| | | Cash Dividend Yield Ratio | | 0.2 | 0 | 0.7 |
| | | Cash Dividend Per Stock | KRW | 100 | 0 | 350 |
| | lssued | Total Amount of Possibility of Issue | Stock | 50,000,000 | 50,000,000 | 50,000,000 |
| | stocks | Total Amount of Issued Stocks | | 10,554,054 | 15,800,344 | 15,800,344 |
| | | Treasury Stock | | 0 | 783,492 | 783,692 |
| | | Number of Shares Ready to Trade | | 10,554,054 | 15,016,852 | 15,016,652 |

GRI 2: ESG Management Strategy, Risk Management

Compliance with Laws and Regulations GRI 2-27

Each subject's compliance of GC Group is disclosed.
Financial loss is KRW 0 due to lawsuit within reporting period.

| Violation of Environmental Regulations (Refer to p. 96) |
|--|
| Violation of Regulations related to Information Provision and Labelling (Refer to p. 46, 49) |

Violation of Information Security Regulations[Refer to p. 127]
 Violation of Regulations related to Anti-corruption/Fair trade (Refer to p. 87)

Membership Associations GRI 2-28

 \cdot GC Group communicates with various stakeholders and get necessary information.

Performance

GC (Holding Company)'s Association Membership (As of Apr, 2023)

Korea Industrial Safety Association
 Korea Institute of Urban Planners (KIUP)
 Korea Environmental Engineers Association

GC Cell's Association Membership (As of Apr, 2023)

- · Korea National Enterprise for Clinical Trials (KoNECT)
- Pharma Specialists Association (PhaSa)
 Council for Advanced Regenerative Medicine(CARM)
- Korea IR Association
- · Korea Association of Referral Laboratories (KOARL)
- \cdot Korea Biomedicine Industry Association(KOBIA)
- · Korea Industrial Technology Association (KOITA)
- Korea Institute of Drug Safety & Risk Management(KIDS)
- Korea Society for Clinical Development (KSCD)
 Korea Pharmaceutical and Bio-Pharma Manufacturers Association (KPBMA)
- · Korean Society of Pharmaceutical · Medicine(KSPM)
- · Korea Integrated Logistics Association(KiLA)
- · Korea Innovative Medicines Consortium (KIMCo)
- World Cargo Alliance(WCA)
 Korea International Trade Association
- International Air Transport Association (IATA)

GGENERAL

GRI 2: ESG Management Strategy, Risk Management

Membership Associations GRI 2-28

Performance

GC Biopharma's Association Membership (As of Apr, 2023)

- Developing Countries Vaccine Manufacturers Network
- (DCVMN International)
- Fair Competition Federation
- Assessment and Accreditation of Laboratory Animal Care International(AAALAC International)
- · International Vaccine Institute (IVI)
- · Korea Association of Emergency Planners
- · Korea Industrial Safety Association
- · Korea Chamber Of Commerce And Industry
- · Women Corporate Directors Korea(WCD)
- · International Federation of Pharmaceutical Manufacturers and Associations(IFPMA)
- · Member Association for Sincere Reporting of Medicines
- · The Federation of Korean Industries
- · Korean Security Agency of Trade and Industry(KOSTI)
- · Pharma Specialists Association (PhaSa)
- · Pharmaceutical Bio CSR Research Society
- Korea Pharmaceutical Patent Institution
- · Chungbuk Enterprises Federation
- · Chungbuk Economic Forum

- · Pandemic Influenza Preparedness Framework(WHO, PIP Framework)
- · Korea Health Functional Food Association(KHFF)
- Korea Management Association(KMA)
- Korea International Trade Association(KITA)
- · Korea Biomedicine Industry Association (KOBIA)
- · Korea Pharmaceutical and Bio-Pharma Manufacturers Association
- Korea Industrial Technology Association(KOITA)
 Korea Fire Safety Institute
- · Korea Food Industry Association(KFIA)
- · Korea Drug Research Association(KDRA)
- Korea Energy Engineers Association
 Korea Pharmaceutical Traders Association
- Korean Medical Library Association
- · Korean Personnel Management Association (KPI)
- Korea Electric Engineers Association
- · Korea Pharmaceutical and Bio-Pharma Manufacturers Association (KPBMA)
- · Korea Intellectual Property Association (KINPA)
- · KEPA(Korea Environmental Preservation Association)

Overall Risk Management

Performance

Risk Management System

- · GC Group continuously identify risks and monitors risks and opportunities to prevent and manage risk factors.
- risk management relevant to manufacturing, sales, provision of products and service emergency response and service potential emerging risk which is threating management activities
- · 'GC Risk Management and Crisis Response Manual'
- It is to minimize first damage due to risks and secondary impact.
- All employees are responsible for responding timely and systematically to risks by sharing information through the reporting system presented in the manual as soon as they identify them

Risk Management Organization

 We appoint risk managers for each affiliate and GC (Holding company) plays a role as integrated risk management control tower

- Integrated risk manager: Head of GC (Holding Company)'s Office of Business Admin & Coordination Department
- Affiliate's risk manager: Head of GC Biopharma's Office of Business Admin & Coordination Department, GC Cell's CAO
- · We report risks by managers' decision on risks depending on whether they can spread or not
- Issues that are less likely to escalate to a crisis are managed through consultation and coordination with relevant departments
- Issues that are highly likely to escalate to a crisis are reported to the CEO immediately and depending on the matter, BOD is reported to respond at corporate level
- Responsible organization performs monitoring before and after risks and take measures depending on types of risks
 (ex) GC Biopharma operates a permanent organization and personnel committee for custom of labor relations





GRI 2: ESG Management Strategy, Risk Management

Performance

Risk Identification and Classification

· Risk is classified into internal risk (financial, law, business operation, and strategy) and external management environmental risk and detailed types of risk are defined and managed systematically

GC Group's Risk Classification System

| | Interr | nal Risk | | | External Risk |
|-------------|--------------------------------|---------------------------|--------------|----------|--------------------------------------|
| Finance | Market | Credit | liquidity | External | Management & |
| | Тах | Profit & Loss | Disclosure | lssue | Environment |
| Regulations | Illegality | Compliance | | | Politics |
| | Lawsuit/Dispute | Liability of compensation | Agreement | - | Customer Change Government Policy |
| Business | Supply Chain | IT | Technology | | Public Relations |
| Operation | Quality | Approval | Partners | | Competitors Nation |
| | Security | Development | Project | - | Natural Disasters |
| | Environment/ Climate Change | Human Rights | Safety | | Appearance of New Technology |
| Strategy | Strategic Direction | The Manageme | e Management | | Pandemic |
| | M&A | Overseas Investment | New Business | _ | |

Risk Response

 \cdot We monitor various risks in advance, check work procedures for risk control, and conduct regular reviews on actual operation status.



Legal Actions for Anti-competitive Behavior, Anti-trust, and Monopoly Practices GRI 206-1

Legal Actions for Anti-competitive Behavior, Anti-trust, and Monopoly Practices

| | | Classification | Unit | 2020 | 2021 | 2022 |
|-------------------------|-----------------------------|---|--------|-----------------|------|------|
| GC (Holding Company) | Violation of Regulations | Number of cases in which executives and employees have been fired or disciplined during corruption cases | Number | 0 | 0 | 0 |
| | | Number of cases of corruption in which contracts with business partners have not been terminated or renewed | | 0 | 0 | 0 |
| | | Corruption-related lawsuits against companies and executives and employees | | 0 | 0 | 0 |
| | | Legal sanctions related to fair trade | | 0 | 0 | 0 |
| GC Biopharma | Violation of Regulations | Number of cases in which executives and employees have been fired or disciplined during corruption cases | | 0 | 0 | 0 |
| | | Number of cases of corruption in which contracts with business partners have not been terminated or renewed | | 0 | 0 | 0 |
| | | Corruption-related lawsuits against companies and executives and employees | | 0 | 0 | 0 |
| | | Legal sanctions related to fair trade | | 1 ¹⁾ | 0 | 0 |
| GC Cell | Violation of Regulations | Number of cases in which executives and employees have been fired or disciplined during corruption cases | | 0 | 0 | 0 |
| | | Number of cases of corruption in which contracts with business partners have not been terminated or renewed | | 0 | 0 | 0 |
| | | Corruption-related lawsuits against companies and executives and employees | | 0 | 0 | 0 |
| | | Legal sanctions related to fair trade | | 0 | 0 | 0 |

1) Charged with violation of the Fair Trade Act related to bidding (2nd trial currently in progress)



GRI 2: Stakeholders

GRI 2: Stakeholders GRI 2-29

Approach to Stakeholder Engagement

| Stakeholder | Main Concerns | Communication Channel | Cycle |
|--|--|--|-----------------------------------|
| Customer | Customer satisfaction activities, | Website | Regularly |
| | quality management, and sales/ marketing activities | Customer counseling center | Regularly |
| Shareholders & investors | Minimization of management risk, sharing of management activity | Board of Directors | 4 times a year, when necessary |
| | information and plans, and protection of shareholder interests | Shareholders' meeting | Once a year, when necessary |
| | | Business report, governance report | Once a year |
| | | Disclosure on the DART | When necessary |
| Partner | Fair trade and shared growth | Discussion meeting (Shared Growth Partners Day) | Once a year |
| | | Whistleblowing system | Regularly |
| | | Procurement information system | Regularly |
| | | Internal e-mail | When necessary |
| Executives & | Welfare benefits, organizational | In-house bulletin board | Regularly |
| employees | culture, and HR system | Grievance handling channel | Regularly |
| | | Solution Center (Suggestion Square) | Regularly |
| | | Employee survey | When necessary |
| Local communities | Social contribution, contribution to local economy, and environmental protection | Social contribution activities | When necessary |
| Government, local autonomous governments | Legal compliance, policies, and response to regulations | Discussion meeting, website of local governments | When necessary |

Collective Bargaining Agreements GRI 2-30

Collective Bargaining Agreements

| | | Classification | Unit | 2020 | 2021 | 2022 |
|--------------|-------|--|------|------|------|------|
| GC (Holding | Labor | Ratio of Membership | % | N/A | N/A | N/A |
| Company) | Union | Percent of Applying Collective Agreement ¹⁾ | | 86 | 81 | 83 |
| GC Biopharma | Labor | Ratio of Membership | - | 10.3 | 21.2 | 26.2 |
| | Union | Percent of Applying Collective Agreement ¹⁾ | | 97 | 94 | 90 |
| GC Cell | Labor | Ratio of Membership | _ | N/A | N/A | N/A |
| | Union | Percent of Applying Collective Agreement ¹⁾ | | 88 | 88 | 90 |

1) Subject to employment rules

GRI 202: Market Presence

· GC Biopharma has several labor unions, GC (Holding Company) and GC Cell has no labor unions and selects union heads by executives and employees and performs discussion on collective agreement and working conditions through labor relations council.

Performance

Labor Relations Council

· GC (Holding Company)

Selected union heads and heads of users regularly hold meetings every three month to discuss enhancing
productivity, performance dividends, hiring and training and better system for human resources
management and better welfare for workers.

- In 2022, they came to agreement for welfare(Health examination, shuttle bus etc.) training(Online course), and hub offices etc.

· GC Cell

- Regular meetings are held every three months with the participation of elected workers and employers

- 2022's performance: six major critical decisions (Improvement of employment rules) are reflected 100%

Employment Welfare GRI 202-1

| Employme | ent Welfare | | | | | | |
|-------------|----------------------|--------------------|--------|-------------|-------|-------|-------|
| | Classific | ation | | Unit | 2020 | 2021 | 2022 |
| GC (Holding | Compare to the Legal | Salary Rate for | Male | % | 176.0 | 173.4 | 165.0 |
| Company) | Minimum Wage Ratio | New Employees | Female | | 171.7 | 169.1 | 161.0 |
| | | Legal Minimum Wage | | KRW million | 23 | 24 | 25 |
| GC | Compare to the Legal | Salary Rate for | Male | % | 167.5 | 164.8 | 158.2 |
| Biopharma | Minimum Wage Ratio | New Employees | Female | | 163.0 | 160.4 | 158.2 |
| | | Legal Minimum Wage | | KRW million | 23 | 24 | 25 |
| GC Cell | Compare to the Legal | Salary Rate for | Male | % | 129.0 | 137.0 | 130.0 |
| | Minimum Wage Ratio | New Employees | Female | | 129.0 | 132.0 | 141.0 |
| | | Legal Minimum Wage | | KRW million | 23 | 24 | 25 |



GRI 201: Economic Performance

Consolidated Statement of Financial Position GRI 201-1

Financial Statement - GC (Holding Company)

| | Classification | Unit | 2020 | 2021 | 2022 |
|--------|--|---------|-----------|-----------|-----------|
| Assets | Total | KRW | 3,241,202 | 3,496,834 | 3,592,061 |
| | Current assets | million | 1,535,804 | 1,424,864 | 1,261,978 |
| | Cash and cash equivalents | | 447,572 | 335,569 | 208,637 |
| | Trade and other receivables | | 460,734 | 465,586 | 474,563 |
| | Other financial assets | | 62,352 | 62,825 | 31,341 |
| | Amounts due from customers for contract work | | 3,581 | 29,082 | 9,305 |
| | Inventories, net | | 489,145 | 506,995 | 505,086 |
| | Derivative assets | | 4,875 | 1,231 | 5,235 |
| | Other current assets | | 25,675 | 17,908 | 27,512 |
| | Disposal assets held for sales | | 41,870 | 5,668 | 299 |
| | Non-current assets | | 1,705,398 | 2,071,970 | 2,330,082 |
| | Long-term trade and other receivables | | 22,878 | 22,512 | 30,867 |
| | Other non-current financial assets | | 163,762 | 145,704 | 125,579 |
| | Investment in associates | | 128,297 | 164,290 | 242,233 |
| | Property, plant and equipment, net | | 971,837 | 1,068,971 | 1,109,123 |
| | Intangible assets, net | | 313,945 | 533,245 | 666,154 |
| | Investment properties | | 61,356 | 79,725 | 62,594 |
| | Right-of-use assets | | 18,702 | 20,493 | 39,196 |
| | Derivative assets | | 891 | 153 | 1,964 |
| | Invested asset for postemployment benefit | | - | 10,128 | 16,412 |
| | Other non-current assets | | 3,031 | 4,704 | 3,818 |
| | Deferred tax assets | | 20,699 | 22,045 | 32,142 |

Financial Statement – GC (Holding Company)

| | Classification | Unit | 2020 | 2021 | 2022 |
|---------------|---|---------|-----------|-----------|-----------|
| Liabilities a | Liabilities and Equity | | | 3,496,834 | 3,592,061 |
| Liabilities | Total | million | 1,567,701 | 1,586,105 | 1,625,017 |
| | Current liabilities | | 1,102,777 | 925,913 | 1,052,354 |
| | Trade and other payables | | 267,810 | 274,259 | 293,318 |
| | Short-term borrowings | | 735,176 | 509,432 | 603,010 |
| | Lease liabilities | | 3,493 | 6,345 | 11,655 |
| | Amounts due to customers for contract work | | 3,906 | 7,530 | 15,232 |
| | Income tax payables | | 21,780 | 44,390 | 19,118 |
| | Derivative liabilities | | 8,576 | 5,253 | 22,352 |
| | Provisions | | 20,091 | 29,801 | 31,484 |
| | Other current liabilities | | 32,418 | 48,873 | 56,185 |
| | Disposal liabilities held for sales | | 9,527 | 30 | - |
| | Non-current liabilities | | 464,924 | 660,192 | 572,663 |
| | Long-term trade and other payables | | 14,590 | 13,163 | 21,765 |
| | Long-term borrowings | | 324,779 | 508,783 | 448,359 |
| | Lease liabilities | | 23,360 | 21,223 | 34,848 |
| | Derivative liabilities | | - | 1,421 | 3,758 |
| | Net Defined benefit liabilities | | 8,511 | 1,856 | 3,381 |
| | Provisions | | 1,252 | 3,234 | 3,228 |
| | Other non-current liabilities | | 13,600 | 24,590 | 22,693 |
| | Deferred tax liabilities | | 78,832 | 85,922 | 34,630 |
| Equity | Total | | 1,673,501 | 1,910,729 | 1,967,043 |
| | Equity attributable to the owners of the parent | | 919,301 | 1,025,425 | 1,037,734 |
| | Issued capital | | 26,579 | 26,579 | 26,579 |
| | Share premium | | 9,321 | 60,291 | 51,065 |
| | Other components of equity | | (18,289) | (18,289) | (18,289) |
| | Accumulated other comprehensive income (loss) | | (4,584) | 11,690 | 19,228 |
| | Retained earnings | | 906,274 | 945,154 | 959,150 |
| | Non-controlling interests | | 754,200 | 885,304 | 929,309 |



GRI 201: Economic Performance

Consolidated Statement of Financial Position GRI 201-1

Financial Statement - GC (Holding Company)

| Classification | Unit | 2020 | 2021 | 2022 |
|--|---------|-----------|-----------|-----------|
| Operating revenue | KRW | 1,719,326 | 1,840,558 | 2,079,560 |
| Finished goods and merchandise | million | 1,495,925 | 1,437,867 | 1,573,241 |
| Services | _ | 153,366 | 305,901 | 378,089 |
| Real-estate sales | _ | - | - | - |
| Construction | _ | 53,759 | 78,309 | 110,581 |
| Rental | _ | 8,766 | 7,723 | 4,985 |
| Dividends | _ | 5,349 | 6,328 | 7,609 |
| Others | _ | 2,161 | 4,430 | 5,055 |
| Operating expenses | _ | 1,648,594 | 1,754,314 | 2,008,400 |
| Cost of finished goods and merchandise sold | _ | 1,030,410 | 964,950 | 1,056,439 |
| Cost for services | _ | 108,689 | 173,042 | 219,895 |
| Real-estate costs | | - | - | - |
| Cost for construction | _ | 49,936 | 74,025 | 104,889 |
| Selling, general and administrative expenses | _ | 459,559 | 542,297 | 627,177 |
| Operating profit | | 70,732 | 86,244 | 71,159 |
| Other income | _ | 38,972 | 29,688 | 63,011 |
| Other expenses | | 39,284 | 12,952 | 27,822 |
| Finance income | _ | 70,103 | 57,807 | 33,981 |
| Finance costs | _ | 47,348 | 48,891 | 76,027 |
| Share of profit to subsidiaries | _ | 21,960 | - | - |
| Share of profit (loss) to associates | _ | (7,216) | 68,117 | (34,673) |
| Profit before tax | _ | 107,919 | 180,013 | 29,629 |
| Income tax expense | _ | 37,558 | 52,355 | (29,268) |
| Profit (loss) from continuing operation | | 70,361 | 127,658 | - |
| Profit (loss) from discontinued operations, net of tax | (| 109,635 | - | - |
| Profit (loss) for the year | | 179,996 | 127,658 | 58,897 |

Financial Statement - GC (Holding Company)

| Classification | Unit | 2020 | 2021 | 2022 |
|---|---------|---------|---------|---------|
| Other comprehensive income (loss) | KRW | - | - | - |
| Other comprehensive income to be reclassified to profit or loss in subsequent periods (net of tax) | million | (8,471) | 13,112 | 25,493 |
| Net gain (loss) on equity adjustments of investments in associate | | (1,551) | 4,091 | 12,869 |
| Foreign currency translation of foreign operations | | (6,920) | 9,021 | 12,623 |
| Other comprehensive income not to be reclassified to profit or loss in subsequent periods (net of tax): | | 13,170 | 14,439 | (3,780) |
| Re-measurement gain (loss) on defined benefit plans | | 7,702 | (1,978) | (1,800) |
| Fair value gain (loss) on financial assets at FVOCI | | 4,764 | 16,403 | (1,979) |
| Net gain (loss) on equity adjustments of investments in associate | | 704 | 14 | - |
| Other comprehensive income (loss) for the year, net of tax | | 4,699 | 27,550 | 21,713 |
| Total comprehensive income (loss) for the year, net of tax | | 184,695 | 155,208 | 80,610 |
| Profit (loss) for the year attributable to | | | | |
| Equity holders of the parent | | 170,960 | 55,270 | 32,823 |
| Non-controlling interests | | 9,036 | 72,388 | 26,074 |
| Total comprehensive income (loss) for the year attributable to | | - | - | |
| Equity holders of the parent | | 171,939 | 78,107 | 45,892 |
| Non-controlling interests | | 12,756 | 77,101 | 34,719 |
| Earnings per share: | KRW | - | - | - |
| Continuing operation | | 1,578 | 1,222 | 727 |
| Discontinued operation | | 2,215 | - | - |
| Old preferred stock 1 holders of the parent | | 1,115 | 790 | 360 |
| Old preferred stock 2 holders of the parent | | 1,110 | 785 | 355 |



GRI 201: Economic Performance

Operation of Employee Pension GRI 201-3

· GC (Holding Company), GC Biopharma and GC Cell operate defined benefit (DB) system.

| Retirement Pension Sy | ystem |
|------------------------------|-------|
|------------------------------|-------|

| | Classification | | | 2020 | 2021 | 2022 |
|-------------|----------------|----------------------------------|-------------|--------|---------|---------|
| GC (Holding | Defined | Financial Operation | KRW million | 13,970 | 15,331 | 17,407 |
| Company) | Benefit(DB) | Number of People with Membership | Persons | 144 | 135 | 135 |
| GC | Defined | Financial Operation | KRW million | 98,740 | 122,740 | 132,865 |
| Biopharma | Benefit(DB) | Number of People with Membership | Persons | 1,814 | 1,901 | 2,045 |
| GC Cell | Defined | Financial Operation | KRW million | 10,811 | 20,478 | 24,667 |
| | Benefit(DB) | Number of People with Membership | Persons | 433 | 795 | 827 |

1) Separate basis

GRI 203: Indirect Economic Impacts

Indirect Economic Impacts GRI 203-1 | 203-2

Indirect Economic Impacts1¹¹

| | | Classificatio | on | Unit | 2020 | 2021 | 2022 |
|-------------|---------|---------------|--------------------------------|---------|---------|---------|----------|
| GC (Holding | Value | Total | | KRW | 203,926 | 252,775 | 227,624 |
| Company) | Distri | Partners | Purchasing cost | million | 137,275 | 206,114 | 199,158 |
| | -bution | Employees | Total | | 18,346 | 17,604 | 18,464 |
| | | and | Employee Paycheck ² | | 17,677 | 17,006 | 17,674 |
| | | Executives | Training Expenses | | 156 | 162 | 179 |
| | | | Welfare Expenses | | 513 | 436 | 611 |
| | | Shareholders | Total | | 30,810 | 25,845 | 23,423 |
| | | and Investors | Total amount of Dividends | | 22,702 | 18,162 | 13,622 |
| | | | Interest Cost | | 8,108 | 7,683 | 9,801 |
| | | Government | Corporate Tax | | 17,480 | 3,185 | (13,448) |
| | | Local | Donations ⁴⁾ | | 15 | 27 | 26 |
| | | Community | | | | | |

GRI 203: Indirect Economic Impacts

Indirect Economic Impacts¹¹

| | | | | | 0000 | 0004 | 0000 |
|-------|---------|---------------|---------------------------------|---------|---------------------|----------------------------|---------|
| | | Classificati | on | Unit | 2020 | 2021 | 2022 |
| GC | Value | Total | | KRW | 1,054,427 | 940,840 | 945,167 |
| Bioph | Distri | Partners | Purchasing Cost | million | 829,958 | 692,499 | 685,614 |
| -arma | -bution | Employees | Total | | 183,110 | 197,498 | 206,237 |
| | | and | Employee Paycheck ² | | 158,241 | 170,107 | 170,290 |
| | | Executives | Training Expenses ³⁰ | | 1,667 | 1,934 | 2,732 |
| | | | Welfare Expenses | | 23,202 | 25,457 | 33,215 |
| | | Shareholders | Total | | 26,482 | 33,168 | 31,489 |
| | | and Investors | Total amount of Dividends | | 17,120 | 22,826 | 19,973 |
| | | | Interest Cost | | 9,362 | 10,342 | 11,516 |
| | | Government | Corporate Tax | | 7,242 | 14,817 | 16,307 |
| | | Local | Donations ⁴¹ | | 7,680 | 2,857 | 5,521 |
| | | Community | | | | | |
| GC | Value | Total | | | 39,274 | 76,551 | 110,289 |
| CELL | Distri | Partners | Purchasing Cost | | 9,834 | 24,574 | 28,067 |
| | -bution | Employees | Total | | 26,990 | 38,036 | 53,336 |
| | | and | Employee Paycheck ² | | 24,008 | 34,804 | 55,357 |
| | | Executives | Training Expenses | | 48 | 141 | 202 |
| | | | Welfare Expenses | | 2,970 ⁵⁾ | 7,025 ⁵⁾ | 8,115 |
| | | Shareholders | Total | | 1,188 | 416 | 7,419 |
| | | and Investors | Total amount of Dividends | | 1,055 | 0 | 5,256 |
| | | | Interest Cost | | 133 | 416 | 2,163 |
| | | Government | Corporate Tax | | 1,665 | 9,578 | 11,071 |
| | | Local | Donations ⁴⁾ | | 11 | 13 | 58 |
| | | Community | | | | | |

1) Separate basis

2) Recalculated to the amount including wages and retirement benefits, retroactively applied to 2020 and 2021 3) Apply based on financial statements

4) Including matching grant, year-end donation, and participatory social contribution donation 5) Re-established and reflected in the amount including welfare expenses and welfare promotion expenses



GRI 203: Indirect Economic Impacts

Indirect Economic Impacts GRI 203-1 | GRI 203-2

Performance

Direct & Indirect Investment to Activate the Healthcare Industry Ecosystem

· GC (Holding Company)

- GC (Holding Company) builds an ecosystem where the technology of innovative companies can help improve the quality of human life.

GC Group's Main Investment Area

| Classification | Investment Target | Description |
|----------------|--------------------------------------|---|
| Direct | Humanscape | Provide Digital Healthcare Service |
| Investment | KANAPH | Developing next generation therapeutics for oncology and autoimmune diseases |
| | Redblue | Fitness CRM and 020 platform |
| | Atommerce | Online and Offline Psychological Counseling Platform |
| | VUNO | Medical artificial intelligence platform |
| | Cyrus Therapeautics | Development of anticancer drugs and metabolic |
| | , i | disease treatments |
| | Genecast | Liquid biopsy cancer diagnosis |
| | Genoplan | Analysis of genetic information |
| | Kittenplanet | Digital Dental Care Platform |
| | Emocog | Digital dementia treatment |
| | DoingLAB | Artificial intelligence diet nutritional information platform |
| | GravityLabs | M2E (Move to Earn) based on blockchain |
| | Pumpkincorp | Specialized IOT in on-offline companion animal |
| Indirect | Stonebrigde-Highland Healthcare Fund | - |
| Investment | Futureplay Innovation Solution Fund | - |

Direct & Indirect Investment to Activate the Pharmaceutical and Vaccine Industry Ecosystem

· GC Biopharma, GC Cell

- GC Biopharma & GC Cell participate and cooperate in Biomedicine union cooperation and association 'Business to support and activate raw materials for Biomedicines' for domestic ecosystem mainly full of overseas biomedicine raw materials companies.

GC Biopharma & GC Cell's Main Investment Area

- Business to support commercialization of raw materials of biomedicine
- Incheon Metropolitan City/KoBIA(Connected with Ministry of Trade, Industry and Energy)
- Business Implementation date: From 2022 to 2025
- Working Expense: KRW 9.5 billion
- Participating Organizations: 24 persons from 20 companies including GC Biopharma in the bio industry
- How to participate: As a selection and evaluation committee

· Biomedicine union cooperation and association

- Ministry of Trade, Industry and Energy/Ministry of Health and Welfare/Korea Biotechnology Industry Organization
- Business Implementation date: From 2022 to 2024
- Working Expense: : KRW 85.7 billion
- Participating Organizations: : 9 companies including GC Biopharma and GC Cell (3, 4 departments)
- How to participate: As a buyer





red B.L.U.E. OMINDCAFE

VUNO

future plav



C GRAVITY LABS





GRI 204: Procurement Practices

Proportion of Spending on Local Suppliers GRI 204-1

Procurement Cost

| | Classification | Unit | 2020 | 2021 | 2022 |
|-------------------------|--------------------------------------|---------|---------|---------|---------|
| GC (Holding Company) | Procurement Cost for Local Suppliers | KRW | 133,879 | 197,883 | 192,903 |
| | Total Expenses for Suppliers | million | 137,275 | 206,114 | 199,158 |
| | Percent of Total Expense | % | 97.5 | 96.0 | 96.9 |
| GC | Procurement Cost for Local Suppliers | KRW | 435,135 | 568,361 | 567,698 |
| Biopharma | Total Expenses for Suppliers | million | 829,958 | 692,499 | 685,614 |
| | Percent of Total Expense | % | 52.4 | 82.1 | 82.8 |
| GC Cell | Procurement Cost for Local Suppliers | KRW | 8,988 | 22,650 | 24,004 |
| | Total Expenses for Suppliers | million | 9,834 | 24,574 | 28,067 |
| | Percent of Total Expense | % | 91.4 | 92.2 | 85.5 |

GRI 207: Tax Policy

Tax Risk Management GRI 207-1 | GRI 207-2 | GRI 207-3

Risk Identification and Classification(Refer to p.87)

 \cdot GC Group manages risks by performing before-and-after tax review through consultation with accounting firms and has a discussion with them regarding tax issues in advance.

E ENVIRONMENT

GRI 303: Water and Effluents

Effort to Reduce Water and Data Management GRI 303-3 | GRI 303-4 | GRI 303-5

- \cdot GC Cell installs operates water recycling facilities in R/O system to reduce water usage.
- Efficiently reuse wastewater from R/O system(UV/Activated carbon filter) as domestic water and cooling water and discharge it.
- · Calculation scope of water data
- GC (Holding Company) : Headquarter
- GC Biopharma : Headquarter, three plants(Ohchang, Hwasun, Eumseong), R&D Center, 10 worksites
- GC Cell : Headquarter, Cell center

Water Management

| | Classification | | Unit | 2020 | 2021 | 2022 |
|--------------|---------------------------------------|-------------------------|------------------------|-----------------------|-----------------------|---------|
| GC Biopharma | Total Amount of Water | Total | Ton | 951,117 ¹⁾ | 967,822 ¹⁾ | 986,726 |
| | Withdrawal | Groundwater | | 0 | 0 | C |
| | | Utility Water | | 858,168 | 847,246 | 903,706 |
| | | Others | | 89,358 | 117,910 | 79,961 |
| | Total Water Consumption | on | | 345,442 | 425,318 | 399,669 |
| | Total Amount of Effluents (Discharge) | | Ton | 605,675 | 542,504 | 587,058 |
| | Water Consumption Intensity | | Ton/KRW 100 million | 28.136 ^{1]} | 36.342 ¹⁾ | 32.104 |
| GC Cell | Total Amount of Water | Total | Ton | 27,124 ^{2]} | 29,536 ²⁾ | 70,283 |
| | Withdrawal | Utility Water | | 27,124 | 29,536 | 70,283 |
| | Total Water Consumption | Total | | 32,006 ^{2]} | 46,789 ²⁾ | 107,272 |
| | Total Amount of Effluents (Discharge) | | | 27,124 ^{2]} | 29,536 ²⁾ | 70,283 |
| | Water Recycling | Water Recycling | | 4,882 ^{2]} | 17,253 ²⁾ | 36,989 |
| | | Water Recycling Rate | % | 15.3 | 36.9 | 34.5 |
| | Water Consumption Intensity | | Ton/KRW 100 million | 40.324 ²⁾ | 29.365 ²⁾ | 48.478 |
| GC(Holding | Total Amount of Water | Total | Ton | 7,138 ^{1]} | 6,540 ¹⁾ | 7,147 |
| Company) | Withdrawal | Utility Water | _ | 7,138 ¹⁾ | 6,540 ¹⁾ | 7,147 |



GRI 303: Water and Effluents

Effort to Reduce Water and Data Management GRI 303-3 | GRI 303-4 | GRI 303-5

Water Management

| | Classification | Unit | 2020 | 2021 | 2022 |
|-------------------------|--|----------------------------|---------------------|---------------------|-------|
| GC (Holding Company) | Total Water Consumption | Ton | 7,138 ¹⁾ | 6,540 ¹⁾ | 7,147 |
| | Total Amount of Effluents (Discharge) | | 7,1381 | 6,540 ¹¹ | 7,147 |
| | Water Consumption Intensity | Ton/ KRW 100 million | 0 | 0 | 0 |

1) This value reflects the change in distribution criteria by headquarters

2) Figures were recalculated by adjusting the scope of data collection (All Cell Centers except offices were changed to merger standards including headquarters offices)

Management of Water Discharge-related Impacts GRI 303-1 | GRI 303-2

- GC Biopharma, GC cell consider environmental impact of discharging and use of wastewater treatment for manufacturing process based on legal standards.
- The headquarters (Yongin, Gyeonggi-do), Worksites (Ochang and Eumseong, Chungcheongbukdo / Hwasun, Jeollanam-do), and Cell Center (Yongin, Gyeonggi-do) do not affect water sources, but impact management in connection with community water resources is necessary
- GC Biopharma, GC Cell treat wastewater based on relevant regulations, SOP for emission of environmental pollutants and GMP standards.
- · GC (Holding Company) is not legally subject to wastewater management.

GRI 308: Supplier Environmental Assessment

New Suppliers that were Screened using Environmental Criteria GRI 308-1

| New Suppliers that were Screened using Environmental Criteria | | | | | | | |
|---|---|--------|------|------|------|--|--|
| | Classification | Unit | 2020 | 2021 | 2022 | | |
| GC Biopharma | Ratio of New Suppliers Conducting Environment Criteria Among All | | 100 | 100 | 100 | | |
| | Number of New Suppliers | Places | 17 | 13 | 9 | | |
| | Number of New Suppliers Conducting Environment Criteria | | 17 | 13 | 9 | | |

GRI 308: Supplier Environmental Assessment

- $\cdot\,{\rm GC}$ Biopharma applies ESG code of conduct for all partners so that we can deal with only partners who pass environment audit.
- \cdot For new suppliers, a pledge is requested and replaced before signing a transaction

ESG Monitoring for Supply Chain GRI 308-2

- · GC Biopharma performs monitoring on partners whether they follow Pledge of Compliance with Code of Conduct, Fair Trade Due Diligence Assessment
- Monitoring target: Partners of general materials(Raw materials, subsidiary materials and packaging materials)

ESG Monitoring for Supply Chain

| | Classification | Unit | 2020 | 2021 | 2022 |
|-----------|--|----------|------|------|------|
| GC | Ratio | % | 36.0 | 35.0 | 72.5 |
| Biopharma | Number of Partners Required for Monitoring | Partners | 60 | 59 | 121 |
| | Total Number of Partners | | 165 | 169 | 167 |

GRI 301: Materials

Raw Material Usage GRI 301-1

| Raw Material Usage | | | | | | | | |
|--------------------|--|------|---------|---------|---------|--|--|--|
| | Classification | Unit | 2020 | 2021 | 2022 | | | |
| GC | Raw Material Usage (Human plasma) | L | 727,484 | 380,793 | 469,584 | | | |
| Biopharma | Production of Products Using Raw Materials (Human plasma) | | 175,441 | 195,928 | 170,588 | | | |
| GC Cell | Raw Material Usage (Human plasma)" | | N/A | 758 | 613 | | | |
| | Production of Products Using Raw Materials (Human plasma)" | | N/A | 2,166 | 1,752 | | | |

1) Raw material of 'Immuncell-LC' applied after 2021 merger

E ENVIRONMENT

Circulation Economy

Resource Circulation

- With chemical management, waste management, and water (waste) management system centered on GC Group's affiliate manufacturing plant, the company is promoting the construction and upgrading of a circulating economy
- GC Biopharma's manufacturing site: Ochang Plant, Hwasun Plant, Eumseong Plant
- GC Cell's manufacturing site: Cell Center
- GC Biopharma's Eumseong Plant plants to use packaging with FSC marks for OTC medicine in the second half of 2023.

Performance

Use Eco-friendly Packaging Materiall and 3R Concept

- · GC Biopharma has used materials with FSC marks since June, 2023.
- In developing new products, 3R(Reduce input resources, size and packaging materials, replace present system with eco-friendly and high-efficient system, eco-friendly design and establishing recycling system).
- 5,000-17,000 sheets of paper usage per year and transportation/storage energy reduction (as of 2022) by reducing the size of the logistics box from Mar, 2021
 About 2 times per year by improving the injection plastic bottle net (including hanger function) from Jun, 2021 Reduced plastic consumption by 1 million pieces (as of 2022)
- Reduced paper consumption by 2,400 sheets per year through barcode conversion of Hunterase ICV product manuals from Aug, 2022 (as of 2022)
- Saved paper consumption by 90,000 sheets and transportation/storage energy through reducing the size of GCFlu PFS economical packaging from Feb. 2023 (as of 2022)

Resource Circulation Management

- GC Biopharma's Ochang Plant establishes goals for achieving resource circulation and manages implementation performance for each goal.
- · Environmental performance result of 2022 (released in March 2023)
- We achieved 21.1% of the final disposal rate target of 33.4% and 35.8% of the circular utilization rate target of 15.6%

Resource Circulation Goal Performance in 2022

| | Classification | Unit | Performance in 2022 |
|------------------------------|--------------------------------|----------|---------------------|
| Resource Circulation | Amount of Resource | Ton/Year | 1,199.79 |
| (Waste ¹⁾ amount) | Final Amount of Disposal | | 253.77 |
| | Final Rate of Disposal | % | 21.1 |
| | Amount of Resource Circulation | Ton/Year | 429.34 |
| | Rate of Resource Circulation | % | 35.8 |

1) Waste includes all solid and liquid substances such as halogen waste organic solvents, waste oil paints, and tissue waste

Environment Management

Environmental Impact Assessment and Monitoring

- · GC (Holding Company)
- Perform regular audit for the environment(Air, water quality, waste, chemical substance, etc.) of all affiliates (15 sites)
- Operation of the environmental regulation management system, such as preventive inspection activities for environmental accidents and monitoring changes in environmental laws and regulations
- Allocate quantitative goals such as reducing environmental pollutions and improving potential risk factors for listed affiliates (GC Cell, GCMS, GCWB) and perform monitoring to check whether they are implemented or not(First half/second half, twice a year)
- · GC Biopharma
- Perform environmental audit for all worksites regularly to monitor whether to improve the environment and compliance.
- Find factors to impact the environment targeting all working departments(Find serious environmental impact of factors input/discharged during the life cycle¹¹ through environmental impact assessment)
- Consider critical environmental impact when establishing environmental policies, goals/detailed goals and use them to communicate with stakeholders.
- Set environmental goals for departments impacted by the environment which implement improvement

· GC Cell

- HSE Team takes the lead to review and apply regulations to manage risk
- Find impact factors through environmental impact assessment for all working
- Departments impacted by environmental impact can set environmental goals and implement improvement
- Perform internal audit and assess compliance regularly
- Personnel responsible for the environment inspect performance of Allbaro system by Ministry of Environment and monitor compliance.

1) Sampling, production, distribution, installation and disposal of raw materials

Performance

Result of Internal Environmental Impact Assessment and Compliance in 2022

| Classification | Unit | GC (Holding Company) | GC Biopharma | GC Cell |
|----------------------------------|-------|----------------------|--------------|---------|
| Number of Improvement Proposals | Cases | 5 | 62 | 12 |
| Number of Improvement Completion | | 5 | 62 | 12 |
| Improvement Rate | % | 100 | 100 | 100 |



Environment Management

KPI Operation GRI 2-18

- · GC Biopharma and GC cell reflect KPI into ESG tasks and set KPI for each individual and department to improve environmental performance.
- Energy reduction, waste reduction and extension of resource circulation etc.
- · We evaluate achievement rate for applicable tasks every year and use this data to evaluate and reward the management and employees so that they are encouraged to produce better environmental performance.

Major ESG Performance Index by Position to Internalize Environmental Management

| Classification | Position | ESG Performance Index |
|-----------------|---------------------------|--|
| GC Biopharma | Ochang Plant Manager | Reduction in energy cost considering downtime of worksites, reducing waste volume, and enhancing operational efficiency |
| | Hwasun Plant Manager | Reduction in reused package by improving system and minimizing product disposal (Less than two times a year) etc. |
| | Eumseong Plant Manager | More usage of eco-friendly materials and reduction in size of packaging containers manufactured automatically (Reduction in consumer waste) and decrease in usage of purified water etc. |
| GC Cell | CC0 ¹⁾ | Strengthening water resources management through minimizing amount of water usage (4% reduction in 2022) |

1) Chief Commercial Officer

Violation of Environmental Regulations GRI 2-27

Violation of Environmental Regulations

| Classification | | Unit | 2020 | 2021 | 2022 | |
|----------------|----------------------------------|-------------------------------|-------------|------|------|---|
| GC (Holding | Environmental Regulations | Number of Violation | Cases | 0 | 0 | 0 |
| Company) | | Total Amount of Related Fines | KRW million | 0 | 0 | 0 |
| GC | Environmental Regulations | Number of Violation | Cases | 0 | 0 | 0 |
| Biopharma | | Total Amount of Related Fines | KRW million | 0 | 0 | 0 |
| GC Cell | Environmental Regulations | Number of Violation | Cases | 0 | 0 | 0 |
| | | Total Amount of Related Fines | KRW million | 0 | 0 | 0 |

IS014001 Certification

- · GC (Holding Company) is actively promoting the development of environmental policies and systems by supporting the maintenance and acquisition of environmental management system certifications for its subsidiary listed companies.
- · ISO 14001 (Environmental Management System): GC Biopharma maintains certification, while GC Cell has obtained certification.

IS014001 Certification

| | Cla | assification | Unit | 2020 | 2021 | 2022 |
|-----------------------------|----------------|---|--------|------|------|------|
| GC (Holding | Acquisition of | Ratio | % | 0.0 | 100 | 100 |
| Company) | Certification | Number of Worksites of Acquisition of Certification | Places | 0 | 1 | 1 |
| | | Number of Worksites Required for Acquisition of Certification ^{1]} | | 1 | 1 | 1 |
| GC Biopharma Acquisition of | Acquisition of | Ratio | % | 100 | 100 | 100 |
| | Certification | Number of Worksites of Acquisition of Certification | Places | 4 | 4 | 4 |
| | | Number of Worksites Required for Acquisition of Certification ²⁾ | | 4 | 4 | 4 |
| GC Cell | Acquisition of | Ratio | % | 0.0 | 0.0 | 100 |
| | Certification | Number of Worksites of Acquisition of Certification | Places | 0 | 0 | 1 |
| | | Number of Worksites Required for Acquisition of Certification ³⁾ | | 1 | 1 | 1 |

1) Headquarter

CERTIFICATE

2) Ochang plant, Hwasun plant, Eumseong plant and R&D center 3) Cell Center

dqs IS014001

· Certification Scope: Ochang plant, Hwasun plant, Eumseong plant and R&D center · Effective Date: Aug, 31, 2021 - Aug, 30, 2024



· Certification Scope: Cell Center · Effective Date : Oct, 1, 2022 - Sep, 30, 2025



Environment Management

Environmental Training

- · GC (Holding Company) prepares SOP for environmental management for all employees and executives and employees of partners to perform training
- Enhancing awareness of the environment, prevention, management and improvement of surrounding environmental factors
- A dedicated legal manager in GC Biopharma conduct introduction training and maintenance training once a year or once every three year. GC Biopharma conducts training on environmental impact to improve awareness of environment management system for supervisors in each departments annually from 2023.

Environmental Training¹¹

| | Classification | Unit | 2020 | 2021 | 2022 |
|-------------|---|---------|-------|-------|-------|
| GC (Holding | Training Completion Rate | % | 0.0 | 100 | 100 |
| Company) | Number of Employees Completing Training | Persons | 0 | 1 | 3 |
| | Number of Training Target | | 0 | 1 | 3 |
| GC | Training Completion Rate | % | 100 | 100 | 100 |
| Biopharma | Number of Employees Completing Training | Persons | 1,204 | 1,335 | 1,303 |
| | Number of Training Target | | 1,204 | 1,335 | 1,303 |
| GC Cell | Training Completion Rate | % | 100 | 100 | 100 |
| | Number of Employees Completing Training | Persons | 1 | 2 | 1 |
| | Number of Training Target | | 1 | 2 | 1 |

1) Environmental technicians (Air, water quality), personnel in charge of hazardous chemical substance (Workers, persons in charge of handling, technical personnel and managers), waste disposal personnel and personnel in charge of medical waste

S SOCIETY

GRI 401: Employment

Securing and Maintenance of Talents GRI 401-1

Hiring New Employees

| | | Classificatio | n | Unit | 2020 | 2021 | 2022 |
|-----------------|--------|---------------|----------------------|---------|-------------------------|------------------------|------|
| GC (Holding | New | Total | | Persons | 46 | 26 | 38 |
| Company) | Hiring | By Gender | Male | | 25 | 17 | 19 |
| | | | Female | | 21 | 9 | 19 |
| | | By Age | Under 30 | | 14 | 7 | 8 |
| | | | Over 30 and Under 50 | | 32 | 19 | 28 |
| | | | Over 50 | | 0 | 0 | 2 |
| GC Biopharma | New | Total | | Persons | 119 ^{1]} | 185 ¹⁾ | 180 |
| | Hiring | By Gender | Male | | 70 ^{1]} | 116 ¹⁾ | 101 |
| | | | Female | | 49 ^{1]} | 69 ¹⁾ | 79 |
| | | By Age | Under 30 | | 30 ^{1]} | 49 ¹⁾ | 60 |
| | | | Over 30 and Under 50 | | 82 ^{1]} | 129 ¹⁾ | 117 |
| | | | Over 50 | | 7 ^{1]} | 7 ¹⁾ | 3 |
| GC Cell | New | Total | | Persons | 106 | 248 | 190 |
| | Hiring | By Gender | Male | | 83 | 150 | 118 |
| | | | Female | | 23 | 98 | 72 |
| | | By Age | Under 30 | | 72 | 202 | 120 |
| | | | Over 30 and Under 50 | | 30 | 41 | 67 |
| | | | Over 50 | | 4 | 5 | 3 |

1) Adjusted and disclosed based on the business report on the DART (Data analysis, Retrieval and Transfer System)

· GC (Holding Company)

- Excluding all discrimination factors such as gender, age, where applicants come from, other personal factors etc. which are regardless of individuals' capabilities, give everyone equal rights and respect their human rights in all hiring process
- Hiring new employees and experienced employees for applicable positions to secure talents in various areas
- Contribution to creating new jobs and job security by hiring 98% Of regular employees

GRI 401: GRI 401: Employment

Securing and Maintenance of Talents GRI 401-1

· GC Biopharma

- In the recruitment process, a policy that strengthens fairness based on compliance with the current Employment Procedure Act and the Personal Information Protection Act was established
- Continuous management of whether minimum matters are being implemented to prevent the occurrence of illegal employment issues for contract workers, which should also be observed from the perspective of the Employment and Labor Act
- Detailed job description to prevent errors caused by interviewers (level of job qualifications required by internal job experts)
- Short-interview of 60 job descriptions in 'GC People' in recruitment websites for GC's affiliates
- In order to protect the human rights of applicants and comply with the Recruitment Procedure Act when hiring human resources, the interviewer is separately informed about the interview process

Performance

Strategy for Securing Talents to Secure Core Capability in the Future

- GC Biopharma operates strategies for securing talents to expect demand for recruitment and develop new talents by strengthening current cord business(blood plasma-drived products, vaccines etc.) to become a global company in order to propel core business¹¹
- GC Cell is participating in pharmaceutical bio Job Fair and conducting target recruiting activities to secure key talent

1) Research of mRNA, AI, CMO, strengthening strategies, expanding Global Market etc.

Major Pipeline to Secure Talents of GC Biopharma

| New Employee | Experienced Employee |
|--|---|
| Related departments, research note contest (Sungkyunkwan University) | 1. Extension of scale of Direct Sourcing of experienced employee 2. Recommendations of talents by employees and executives |
| Collaboration with government agencies to secure manpower at production bases (Chungbuk Bio-Health Industry Innovation Center) | 3. Activation of in-house public offering system |
| 3. Recruitment Briefing Session for Outstanding Universities in Korea 4. Online Recruitment Briefing Session using Metabus | |
| 5. Hiring pre-emptive internship system 6. Recruiting overseas([KASBP, NEBS, RWTH Aachen) | |
| 7. Sponsored by domestic academic societies and attended job fairs (Bioengineering Society) | |

Internship Program

- GC Group actively operates internship programs to provide career design opportunities for young people, and to recruit excellent and verified talents
- During the internship period, we provide opportunities for practical work experiences, evaluate through assignments, and recruit as our full-time employee for interns with satisfactory evaluation results.
- GC Group(Including affiliates)
- As of 2022, No. of interns: 85, No. of people convert to regular employees: 26 (Conversion ratio 30.6%) · GC Biopharma
- As of 2022, No. of interns: 26, No. of people convert to regular employees: 16 (Conversion ratio 61.5%) GC (Holding Company)
- As of 2022, No. of interns: 3, No. of people convert to regular employees: 1(Conversion ratio 33.3%)

On-boarding Program

· GC Biopharma

- Operating 'Preliminary Online Communication' for soft-landing of prospective employees
- Providing step-by-step packages such as 'Welcome Kits' to improve organizational understanding from the time of confirmation of employment to the first day of work
- Providing various training/networking programs for new employees: Introductory training and workshop etc.
- Providing training for new employees who have worked in GC for one to two year
- · GC Cell
- Understanding of company, etiquette training, job training conducted by in-house lecturers and affiliates tour etc.
- Giving a sense of belonging to new employees on their 1st working day with 'Welcome Kits' gift

Off-boarding Process

- The respect for the human rights of employees is extended to the off-boarding process at the end of the employee life cycle
- Retirement is as cumbersome and complex as hiring, but we are going through an off-boarding process to minimize negative experiences.
- In addition, we analyze employee experience based on retirement surveys and interviews and utilize to enhance an employee-friendly condition

GRI 401: Employment

Securing and Maintenance of Talents GRI 401-1

Performance

Industry-Academic Internship

· GC (Holding Company) hires interns through industry-academic internship structure to activate industry-academic relations with various universities

 \cdot GC Biopharma strengthens industry-academic collaboration activities which could lead to industry-academic internship structure by singing MOU with various universities

· GC Cell gradually expands industry-university cooperation activities between schools to secure excellent human resources in the production and bio service areas





Re-employment Support Services

· GC Biopharma provides re-employment support services to involuntary retirees over the age of 50, as a company with more than 1,000 employees in accordance with the Elderly Employment Act.

Turnover GRI 401-1

Employee Turnover

| | | | | | | 0004 | |
|-------------|-------------|--------------|----------------------------|---------|--------------------|--------------------|------|
| | Cla | ssification | | Unit | 2020 | 2021 | 2022 |
| GC (Holding | Turnover | Total | | Persons | 18 | 19 | 26 |
| Company) | | Gender | Male | _ | 15 | 15 | 17 |
| | | | Female | | 3 | 4 | 9 |
| | | Turnover Ra | | % | 10.9 | 13.0 | 16.0 |
| | Voluntary | Number of V | /oluntary Turnover | Persons | 18 | 19 | 25 |
| | Turnover | Voluntary Tu | Irnover Rate ³⁾ | % | 10.9 | 13.0 | 15.3 |
| | Involuntary | Number of I | nvoluntary Turnover | Persons | 0 | 0 | 1 |
| | Turnover | Involuntary | Turnover Rate | % | 0.0 | 0.0 | 0.6 |
| GC | Turnover | Total | | Persons | 110 | 125 | 140 |
| Biopharma | | Gender | Male | | 72 | 84 | 99 |
| • | | | Female | | 38 | 41 | 41 |
| | | Turnover Ra | ite | % | 5.3 | 5.7 | 6.1 |
| | Voluntary | Number of V | /oluntary Turnover | Persons | 107 | 122 | 133 |
| | Turnover | Voluntary Tu | Irnover Rate ³⁾ | % | 5.2 | 5.6 | 5.8 |
| | Involuntary | Number of I | nvoluntary Turnover | Persons | 3 | 3 | 7 |
| | Turnover | | Turnover Rate | % | 0.1 | 0.1 | 0.3 |
| GC Cell | Turnover | Total | | Persons | 1001 | 1081) | 178 |
| | | Gender | Male | _ | 68 ¹⁾ | 821 | 126 |
| | | | Female | _ | 321) | 261 | 52 |
| | | Turnover Ra | ite | % | 22.5 ²⁾ | 13.52 | 21.2 |
| | Voluntary | Number of V | /oluntary Turnover | Persons | 1001 | 1081) | 178 |
| | Turnover | | Irnover Rate ³¹ | % | 22.51 | 13.5 ²⁾ | 21.2 |
| | Involuntary | Number of I | nvoluntary Turnover | Persons | 0 | 0 | 0 |
| | Turnover | | Turnover Rate | % | 0 | 0 | 0 |

1) Adjusted and disclosed based on the business report on the DART

2) This value was re-calculated and reflected according applying how to calculate

3) The number of turnover due to personal circumstances, including movement between affiliates, excluding retirement recommendations or retirement, is calculated as total executives and employees

SOCIETY

Work-Life Balance

Various Work Plans

- · GC Group has established various work plans to support continuous work and work-life balance to improve employees' quality of life.
- Employees are able to work at flexible hours, given with options to work from home. Also, they are able to manage or being compensated with their vacations to support continuous work performances. Also, recently, we have set up hub offices to support long distance commuters and facilitate outside meetings to change the way we work and work efficiently. We provide family-friendly working environment

Performance

GC Group's Flexible Work System

| Classification | Explanation |
|-----------------------------|---|
| Work from home | Working without time and place constraints |
| Flex-time work | Different commuting time while complying with legal working hours |
| Flexible working hours | Complying with the average working hours for three months in accordance with legal requirement |
| Discretionary working hours | Working hours and methods are entrusted to the discretion of workers in light of job characteristic |
| Holiday replacement | Substitution of working days with holidays based on agreement with employees |
| Compensation leave | Compensation of vacation for overtime or holiday workers |

GC Biopharma's Own System

| Classification | Explanation |
|--|---|
| Optional working hours | Working flexibly in within the specified working hours and core-time policy per month |
| Compensation leave for overseas business trips | Targeting employees going to overseas business trip, 0.5-day compensation leave per 4 days for recognizing 8 hours of work per day during overseas business trips |
| PC On/Off | It is a system that specifies PC hours for headquarters, factories (management), and branches (8:30-17:30), and clearly operates working hours |

Hub Office

Prepare hub office for smart work to support those with long commuting hours and outside meetings

Implementation of Smart Office

Performance

Remodeling of GC (Holding Company) and GC Biopharma's Headquarter

- · GC provides a pleasant office environment for employees through remodeling of the existing headquarters building.
- The keywords of office space to become a happy workplace: Equality, flexibility and communication contain horizontality, flexibility, and communication.





Smart Meeting Room





Serendipity Lounge

Multi Office

Share Commonspace

GC Cell's Remodeling of Office

- · GC Cell provides various office environment which meets various workstyle through remodeling of the office space at the headquarters and Cell Center.
- Implementation of refreshing smart office to improve work efficiency, efficient communication and smart office

















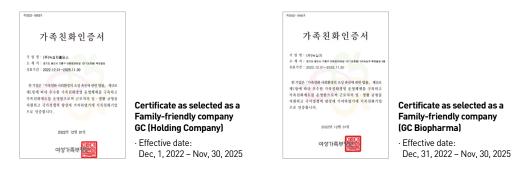
Work-Life Balance

Implementation of Smart Office

Performance

Selected as a Family-friendly Company GC (Holding Company)', GC Biopharma

· Selected as a Family-friendly company by Ministry of Gender Equality and Family in Dec, 2022



Maternity and Parental Leave GRI 401-3

Maternity and Parental Leave

| - | Classification | | | Unit | 2020 | 2021 | 2022 |
|-------------|---|-------------------------------|---------|---------|------|------|------|
| GC (Holding | Number of Employees Who Took | Total | | Persons | 3 | 5 | 6 |
| Company) | Maternity Leave | Number of | Males | | 0 | 1 | 1 |
| | | employees | Females | | 3 | 4 | 2 |
| | Ratio of Employees Who Returned After | Ratio | Males | % | 100 | 100 | 100 |
| | Maternity Leave | | Females | | 100 | 100 | 100 |
| | Number of Who Took Parental Leave ² | Total | | Persons | 3 | 3 | 3 |
| | | Number of | | | 0 | 0 | 0 |
| | | employees | Females | | 3 | 3 | 3 |
| | Employees Who Returned After | Ratio | Males | % | 0.0 | 0.0 | 0.0 |
| | Parental Leave ³¹ | | Females | | 100 | 100 | 100 |
| | Ratio of Employees With At Least | Ratio <u>Males</u> Females | % | 0.0 | 0.0 | 0.0 | |
| | 12-month Working After Returning From Parental Leave ⁴⁾ | | Females | | 100 | 100 | 100 |
| GC Cell | Number of Employees Who Took Maternity Leave ^{2]} | Total | | Persons | 32 | 25 | 28 |
| | | Number of | | | 25 | 18 | 22 |
| | | employees | Females | | 7 | 7 | 6 |
| | Ratio of Employees Who Returned After | Ratio | Males | % | 100 | 100 | 100 |
| | Maternity Leave | | Females | | 100 | 100 | 100 |
| | Number of Who Took Parental Leave ^{2]} | Total | | Persons | 7 | 5 | 16 |
| | | Number of | | | 1 | 0 | 3 |
| | | employees | Females | | 6 | 5 | 13 |
| | Employees Who Returned After | Ratio | Males | % | 100 | 100 | 0.0 |
| | Parental Leave ³¹ | | Females | | 71.4 | 100 | 100 |
| | Ratio of Employees With At Least | Ratio | Males | % | 0 | 100 | 100 |
| | 12-month Working After Returning From Parental Leave ⁴¹ | | Females | | 80.0 | 80.0 | 100 |

SOCIETY

Work-Life Balance

Maternity and Parental Leave GRI 401-3

Maternity and Parental Leave

| | Classification | | | Unit | 2020 | 2021 | 2022 |
|-----------|--|---------------------|---------|---------|------|------|------|
| GC | Number of Employees Who Took | Total | | Persons | 66 | 124 | 88 |
| Biopharma | Maternity Leave ¹⁾ | Number of | Males | | 48 | 99 | 50 |
| | | employees | Females | | 18 | 25 | 38 |
| | Ratio of Employees Who Returned | Ratio | Males | % | 100 | 100 | 100 |
| | After Maternity Leave | | Females | | 100 | 100 | 100 |
| | Number of Who Took Parental Leave ²¹ | Total | Persons | | 41 | 45 | 63 |
| | | Number of employees | Males | | 9 | 8 | 14 |
| | | | Females | - | 32 | 37 | 49 |
| | Employees Who Returned After | Ratio ²⁾ | Males | % | 100 | 87.5 | 77.8 |
| | Parental Leave ³⁾ | | Females | - | 100 | 91.7 | 100 |
| | Ratio of Employees With At Least | Ratio ²⁾ | Males | % | - | 100 | 71.4 |
| | 12-month Working After Returning From Parental Leave ⁴⁾ | | Females | - | - | 83.9 | 75.8 |

1) Recipients of childbirth celebrations, including maternity leave for spouses

2) Value re-calculated by changing parameter criteria (total number of people on parental leave in the current year) 3) Return rate = Re-calculated as returnees in the relevant year / returnees expected to return *100 4) Retention rate = Re-calculated as employee in the current year / returnees in the previous year *100

Performance

GC Biopharma's Welfare System

GC Biopharma contributes to employee's welfare and quality of lives by operating welfare system such as employee's healthcare, accident insurance and Refresh. · Providing leave for long-term service

- Provide refresh leave for those who work long time
- It is not one-time leave but it is accumulating for working period to next Refresh. (It is designed to improve productivity of employees.)

Welfare System GRI 401-2

· GC Childcare Center

- A nursery room equipped with various teaching materials, a multipurpose hall for group activities, a special activity room for diverse experiences, a safe and sophisticated dining area, an outdoor garden for activities, a rooftop garden where children can play freely, and a children's playground where they can spend time with friends, are all provided.

- Total of five classes from the age of 1 to 5 years old. In-House Fitness Center 'GYM'



GC Childcare Cente

- The GYM, which consists of two floors above the ground and with one basement floor, is freely available throughout the day, as well as on weekends and holidays. (Early in the morning~after work)

- Provided body composition measuring devices, aerobic equipment and weight lifting exercise machine
- Professional qualified trainers reside in the GYM to help employees exercise safely and effectively GC Group's In-house Welfare
- Family-friendly: In-house wedding hall, college Scholarships, Financial support / flower to congratulate and to express condolences, gifts on holidays, foundation anniversaries, and Labor Day, gifts for wedding and childbirth
- Life stability: Office supplies support, free cafeteria, free shuttle bus, home purchase loan
- Leisure: In-house clubs, In-house Café, corporate condominium, support for education expenses, Inhouse library
- Healthcare : Health checkup, outside counseling system, anti-cancer treatment support, free flu vaccine

Performance

Service Extension of In-House Fitness Center 'GYM'

· Providing G.X(Group Exercise) and P.T.(Personal Training) in the second half of 2022

- Changing programs and hiring additional trainers by reflecting's employees' feedback.
- · Adjust operating hours so that employees can use gym in summer and winter vacation.
- Open GYM in fifth floor of Guseong Campus so that employees can use this facility in Jan, 2023.



SOCIETY S

Work-Life Balance

Grievance Handling(Including Human Rights)

Performance

Grievance Handling System

• We operate online communication system and a report center to make sure anonymity and safety.

· We make an effort to improve grievance immediately after we listen to grievance through grievance channel.

- If it is not resolving immediately, we try to deliver measure plans within deadline.

· We outsource to operate GC Helpline and secure anonymity by applying security technology which leaves no IP.

Grievance Handling Process



Grievance Channel for Human Rights Issue

| Channels | Contents |
|--------------------------|---|
| GC Helpline (Shortcut () | A space where you can report ethical values, integrity, and actions contrary to compliance |
| | management, or anonymously express suggestions or opinions on employee grievances |
| Counselling Cafe | A space where various grievances arising in the company, such as workplace bullying, sexual harassment, job/work environment, and conflict, can be resolved through in-house counseling |
| Suggestion Square | All executives and employees are free to participate and communicate on free topics such as suggestions and grievances |
| Change Agent | It is an organization composed of working-level officials representing the unit organization to listen to and communicate with the actual opinions of the members. Monthly regular meetings to discuss key issues and present ideas |
| Communication | In order to establish a desirable organizational culture, anonymous surveys are conducted |
| Survey | annually for all GC and affiliates' executives and employees to check the organizational atmo- sphere and working conditions |
| Town-hall Meeting | A space where all executives and employees communicate horizontally and freely, such as sharing the company's strategic direction once a quarter |

Grievance Handling System¹¹

| | 5, | | | | |
|----------------|--|------|------|------|------|
| Classification | | Unit | 2020 | 2021 | 2022 |
| GC Biopharma | GC Biopharma Rate of Employee grievances treated | | 100 | 100 | 100 |
| | Employee grievances reported | | 3 | 8 | 5 |
| | Employee grievances treated | | 3 | 8 | 5 |

1) GC (Holding Company) and GC cell received zero case of employee grievance handling system from 2020 to 2022



A. 매월 실비처리 예정입니다.

A. 조직문화 개선이 목적인 활동

COdum 262 Hills 208 All All All All All

Q. 황동비는 엄마인가요?

Q. 활동비는 어디에 사용하나요



<u> 위응 기르기 위해 모았습니다</u>

내지와하고,

JMP 등게 프로그램 온라인 장의까지!

TIGHA JME 영제 프로그램 한다 한 명직까지! 국내 제약회사 최초 R&D 부분 연구 통계 사례집을 발견하는 성관을 얻었습니다 :)

- CoP 개설 시장 ~ 2023년 12월 (연간 운영) 등 신규 CoP 개설은 10년 전 11년 등 11년

67 14 ARD

+ GC 녹십지 찾아가는 타운홀미팅 GC Insight 명사특강

2023. 04. 05.(수) / 14:30 ~ 16:30 / 화순공장 대강당

SHIT LINES

(CHAN 전 양의왕)

안녕하세요, DCH실자 일직원 여러분! 것이가는 타운동이킹 및 GC Insight 열시목장이 <mark>4/5(+), 14시 30분~16시 30분, 회순공장에서</mark> 사랑됩니 구성방문이 전쟁에서 함께 참여하는 오프라인으로의 변화과 함께, Zeon Webling 볼 중한 은구한 성용기가 동시에 이유지는 <mark>은 오프라인 Hybrid 정시의 정식가</mark> 1월 보시유럽타운데 이미, 서북은 작승규장 대강당에서 실시간으로 관광 소 유가용 이양입니다

최승공장 근무자분들에게는 참여 방법과 관련하여 법도 안내가 있을 예정입니다. 이 의의 모든 GC녹십자 영직원 분들에서는 Zoom Webiner도 참석을 요청 드립니다.

정 다운풀이하은 Leoming Cloud에 영상이 업무드 될 예정으로 부탁이하게 실시간으로 참여가 어려우신 구성원 분들에서는 온라인으로 확인해주시기 바랍니다.

인사 특징에서는 대한민구의 다른 역사 방로이자 시키면 관람한 지지만 한국사 건사를 전식으로 드셨습니다. 유민이의 역사와 양전들과 실을 비행으로 '물은 금기의 풍은 소통이란 유양인가에 대해 관람하실 예정으로 인사이트를 얻을 수 있는 시간이 되시기를 비해려. 것은 구신과 전에 부탁 드립니다. 응

| | I TIT |
|---------|-------|
| 🧼 시행 일시 | |

4/5(0) <u>오루 2시 30분</u>부터 시작 (+ 최소 5분 전, 요장/접수 바랍니다.) 일정 상세 안내 (오프라인 & Zoom Webinar 생물계) (1) 사선 1, 전문철 대표이사 말씀 / 14:30 ~ 15:30 (2) 시선 2, GC Insight 형사 특징 / 15:30 ~ 16:30 ① 우셔: 역사를 통해 보는 물은 관계 물은 소통 ② 연사: 회태성 전국사 경사 참여방법 1582 (1) 정소 및 시간: 학순공장 대장당 (소설물안 행사 진행을 위해, 5분 전까지 작석 바락 드립니다.) (2) 대상: 학순공장 근무자 대상으로 상시 참여 방안 별도 안내 예정입니다. 다 (1997년 1978년 1979년 1997년 1979년 19 1977년 1979년 197 역사를 통해 보는 좋은 관계, 좋은 소통



Communicative Organization Culture

Performance

Strategy for How to Operate Organization Culture

GC Group selects and operate change management managers mostly working employees and operates official communication channels and junior board so that employees can actively participate in operating business

- We discuss major agendas such as how to operate and form organization culture and suggest new ideas

Role of GC Group's Change Manager

| Roles | Contents |
|--------------------------------|--|
| Observation and induction | · Observation of organization culture and behavior change of employees |
| of changes in organizational | based on Ground Rule |
| culture | Planning of revitalization of organization culture |
| Establishing and participation | · Establishing and operation of Junior Board to discuss major agendas |
| of Junior Board | related to operating organization and system |

Change Agent 'C.O.D.E'

- · GC Biopharma operates C.O.D.E(Culture. Organization. Design. Environment)
- Rejection of top-down and one-way organization culture and finding improvement points in organization culture in each part.
- Providing all-around communication infrastructure to get common ground for company's strategy and directions.

Establishing CoP System

• GC Biopharma provides a venue for communication by establishing CoP (Community of Practice) system by independent participation of employees to improve job-related knowledge and work efficiency.

Town Hall Meeting

- GC Biopharma's town hall regular meeting held by CEO is a venue for more communication among employees and executives
- GC Biopharma runs town hall meeting quarterly to support real-time communication between the management and employees.

G-Culture to Establish Digital Culture

- · GC Biopharma spreads 'G-Culture'.
- Re-establishment of how to work for employees for brining better innovative value for customers
- Basis on storytelling especially for employees in digital-conversion era for business success.
- Suggest ways for work 'Fast, Young and Strong' for team managers and team members
- · We put more effort to spread G-Culture in not one-way but communicative way with employees
- Using various methods such as cue sheets by team, board game, remote workshop, team consulting.
- Improve effectiveness and efficiency through online Learning Cloud system.



Employee's Satisfaction Survey

- · Performing annual employee satisfaction survey
- Getting honest feedback from executives and employees
- Identify areas that need to be improved and seek directions for improving organizational culture satisfaction and implementing mitigation measures for each risk factor related to labor practices (employment policy, labor-management relations, human resource management, worker welfare, etc.)



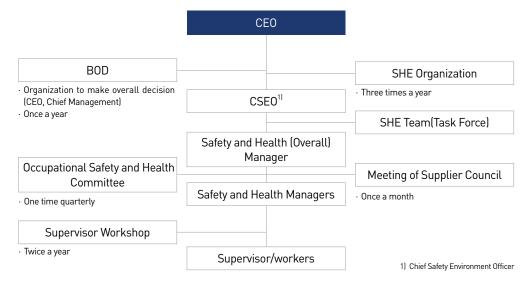
- · GC Biopharma (Participation rate 72.1%)
- Online diagnosis is conducted for all GC Biopharma executives and employees, excluding employees within one month of joining the company (Jul, 4, 2022 - Jul, 20, 2022)
 Overall 2022 Satisfaction Score 3.4/Out of 5 (0.1 improvement compared to last year)

GRI 403: Occupational Health and Safety

Safety and Health Management System GRI 403-1 | GRI 403-8

- GC Group established the managment team system accordingly with international standards ISO45001 (Health and Safety Management System) and Process Safety Management (PSM) so that all employees and executives work in safe and health conditions.
- Safety and health management system apply not only to all employees and executives in worksites and all suppliers and partner companies.
- We operates SHE organization for safety and health to prevent major industrial accidents and CSEO manages necessary human resource and expenses to prevent accidents.
- We regularly operates SHE meeting to share plan and performances of safety and health plans and make decisions on safety strategies and issues.

GC Biopharma's Safety Health Organization System



- $\cdot\,$ GC Group discloses SHE policies as safety & health management policies.
- GC (Holding Company)'s Policy (Shortcut), GC Biopharma's Policy (Shortcut), GC Cell's Policy (Shortcut)

Performance

Health and Safety Plan and Goal Establishment

- · GC (Holding Company)
- Responsible department for preventive management for all affiliates' HSE Audit.
- We operate management of no-injury worksites through 2022's audit and improvement activities on 15 affiliates once a year.
- From 2023, we change this audit into the one which meet government's safety management directions and training system for affiliates from 2023. (The number of audit cycles are expanded from once to twice a year and converted focus on specific-auditing 3 types of accident, 8 factors of hazard¹⁾)
- We are reviewing audit plans for global worksites due to relief of pandemic. (GC China)
- \cdot GC Biopharma
- We establish 'Plans for safety and health' whose performance and plans are reviewed/approved by BOD (Review of safety and health management policies, safety and Health organization, budgets, goals and tasks etc.)
- · GC Cell
- 2022's safety and health performance and 2023's safety and health plan are reported to BOD and BOD approves them.
- Based on risk assessment of safety and health, we establish safety and health plans.
- 1) Types of accident (8 factors of hazard) : Fall (scaffold, roof, ladder, mobile elevated work platform), constriction (safe device, Lockout, Tag-out), collision (mixed work, collision protection)

GC (Holding Company) Safety and Health Management Policy Goals in 2023





Securing competitiveness in a sustainable and safe environment in response to roadmap for reducing serious accidents



Zero for (industrial accidents, fire accidents and environmental accidents) by strengthening the safety capabilities of all affiliates

GRI 403: Occupational Health and Safety

Safety and Health Management System GRI 403-1 | GRI 403-8



Decision-Making Organization for Occupational Safety and Health GRI 403-4

• GC Group operates decision-making organization for occupational safety and health to review and make decisions on occupational safety and health of workers such as Occupational Safety and Health Committee and Research Center Safety Management Committee.

Performance

Occupational Safety and Health Committee

- The Occupational Safety and Health Committee for each workplace is operated under Occupational Safety and Health Act.
- Agenda is the establishment of industrial accident prevention plan, revision of safety and health management rules, safety and health training of workers, audit and improvement of worksites.
- GC Biopharma & GC Cell
- GC Biopharma & GC Cell operate Occupational Safety and Health Committee with same number of seats for laborer side and company side to make major decision on safety & health management measures for workers to prevent risk and health hazard
- We run Occupational Safety and Health Committee quarterly.
- As of 2022, 14 deliberation resolutions were implemented, and pending issues were completed within 2022 through improvement activities

Decision-Making Organization for Occupational Safety and Health Committee GRI 403-4



Operating R&D Safety Management Committee

- GC Cell additionally organizes safety management committee for its R&D Center and operates it just like Occupational Safety and Health Committee.

Activities by Safety Health Committee

- As of 2022: Pharmaceutical companies' safety health committee[Corporate-level], safety health committee in Cheongju city
- Committee member [Ochang Plant], PSM Committee in Cheongju city [Ochang Plant], Chemical Substance Management Council in Cheongju city
- Chairmen association of Ochang and Oksan Industrial Complex[Ochang Plant], Chemical Substance Association around Ochang area [Ochang Plant], Ochang Scientific Industrial Complex Association(Fire protection) [Ochang Plant], Industrial Safety Council in North Chungcheong Province [Eumseong Plant], Plant Industrial Complex Association(Fire protection)



GRI 403: Occupational Health and Safety

Employee's Health and Safety and Health GRI 403-3 | GRI 403-6

- · GC Group operates various health support programs in order to maintain employees' health.
- Support health check-up once a year for employees and their spouses.
- Provide flu vaccine for all employees and their families.
- Provide special health check-up and regular monitor working environments for persons including irregular workers handling hazardous chemical substances (Special work)
- We operate hospitals and gyms for physical and psychological well-being of employees and provide psychology consultation service.
- Strick disinfection measure for all workplaces after emergence of COVID-19.
- Protection of employee health from infectious diseases.
- · In-House Clinic "Dr.GC"
- Medical experts' consulting on health risk such as disease treatment, obesity/fatigue/stress etc.
- We put more effort for employees to have healthier lifestyles and manage health in order to prevent diseases.
- GC Group provides more systematic healthcare for group products and solutions.



Performance

Effort to Make a Safe Working Environment

- Safety goggles, safety shoes, gas masks, safety gloves, etc. are provided as protective equipment for laboratory workers

- Possession of laboratory safety and emergency response facilities and supplies such as chemical storage facilities, emergency shower facilities, and fume hood emergency items
- Safely handling of laboratory waste boxes only for its use
- Monitoring laboratory working environment twice a year

Performing Safety Health Risk Assessment GRI 403-2

- We implement regular safety check and risk assessment for worksites' facilities and equipment mostly by department dedicated to Health and Safety
- Regular compliance evaluation on whether to implement safety health plans (Monitoring and face-to-face talk)
 Assessment on supervisor's regular health and safety half a year
- Perform safety check and inspection on worksites including depot once a guarter
- Establishing emergency response system by implementing emergency drills regularly with participation of all employees such as fire drills.
- We thoroughly identify a disasters and serious accidents due to various risk of raw materials and products etc. and plant to strengthen measures in company-wide to reduce these risks.

Performance

Hazard Assessment by Each Worksites

· GC Biopharma

- 16 out of 16 improvement points at the Ochang plant have been completed (100%) and 77 out of 77 improvement points at the Hwasun plant have been completed (100%)
- 46 out of 46 improvement points in Eumseong plant have been completed (100%) and 7 out of 7 improvement points in R&D center have been completed (100%)
- · GC Cell
- GC Cell performs hazard assessment independently through brainstorming by supervisor and worker based on SOP of Department dedicated to Health and Safety
- Use of hazard assessment : Hazard information at worksites, identification of harmful hazard factors, and finding of improvement points
- 810 improvement points in all worksites including Cell Center have been completed (100%)

Obtaining Process Safety Management(PSM) 'S' Grades by the Ministry of Employment and Labor and Process Safety Management and Korea Occupational Safety & Health Agency

• GC Biopharma Ochang Plant obtained 'S' grades from the Ministry of Employment and Labor and Process Safety Management (PSM) as a result of our efforts to improve safety management, including continuous training, intensive inspection and audit.

Promotion of Safety and Health Activities for the Value Chain (Including Partners)

- GC (Holding Company) supports and inspects 40 partners for win-win growth (handling partners' grievances, safety management)
- GC Biopharma and GC Cell conduct the SHE training, culture campaigns and safety audit, etc for partners whose safety management level is insufficient due to a lack of safety and health experts.

SOCIETY

GRI 403: Occupational Health and Safety

Emergency Drills GRI 403-7

- \cdot GC Group operates various emergency drills
- · GC Biopharma
- GC Biopharma conducted joint drills together with community in 2022 to respond to mass casualty incidents (Response to complex disasters such as earthquake/decay/hazardous chemical leakage/fire)
- A total of 190 people from 15 emergency rescue-related organizations, including Cheongju Fire Station, will conduct joint training













Worker Training on Occupational Health and Safety GRI 403-5

- · It is not mandatory for GC (Holding Company) but we perform training on occupational safety health for workers
- Managerial position: 6 hours per person/year
- · GC Biopharma and GC Cell sets the completion time of training on occupational safety health per job group
- R&D, production position: 24 hours/year per person, sales/management position: 12 hours/year per person
- New employees: Training on the installation and management of safety facilities by job, material safety and health data sheet (MSDS), occupational disease prevention measures, first aid in daily life, job stress management, etc..
- Performing specific training on occupational safety health for supervisor
- · Performing training on occupational safety health for all in-house outsourced contractors

Worker Training on Occupational Health and Safetv¹¹

| | Classificati | on | Unit | 2020 | 2021 | 2022 |
|-------------|--|---|---------|-------|-------|-------|
| GC (Holding | R&D, Production | Training completion rate | % | 100 | 100 | 100 |
| Company) | mpany) Positions Sales/ Management Position | Number of employees completing training | Persons | 311 | 288 | 308 |
| | | Number of training target | - | 311 | 288 | 308 |
| GC | R&D, Production | Training completion rate | % | 100 | 100 | 100 |
| | Positions Sales/ Management Position | Number of employees completing training | Persons | 2,036 | 2,132 | 2,215 |
| | | Number of training target | | 2,036 | 2,132 | 2,215 |
| GC Cell | R&D, Production | Training completion rate | % | 100 | 100 | 100 |
| | Positions Sales/ Management Position | Number of employees completing training | Persons | 445 | 799 | 838 |
| | | Number of training target | | 445 | 799 | 838 |

SOCIETY

GRI 403: Occupational Health and Safety

IS045001 Certification

· GC (Holding Company) and GC Biopharma maintained and GC Cell acquired ISO 45001 certification in 2022.

IS045001 Certification

| | (| Classification | Unit | 2020 | 2021 | 2022 |
|------------------------|----------------|--|-------|------|------|------|
| GC (Holding Percent of | | Percent | % | 0 | 100 | 100 |
| Company) | | Number of worksites with certification ¹¹ | Place | 0 | 1 | 1 |
| | certification | Number of worksites expected to have certification | | 1 | 1 | 1 |
| GC Percent of | | Percent | % | 100 | 100 | 100 |
| Biopharma | worksites with | Number of worksites with certification ²¹ | Place | 4 | 4 | 4 |
| | certification | Number of worksites expected to have certification | | 4 | 4 | 4 |
| GC Cell ^{3]} | Percent of | Percent | % | 0.0 | 0.0 | 100 |
| | worksites with | Number of worksites with certification ³¹ | Place | 0 | 0 | 1 |
| | certification | Number of worksites expected to have certification | | 1 | 1 | 1 |

1) Headquarter

2) R&D Center, Ochang Plant, Hwasun Plant, Eumseong Plant

3) Obtaining certification in Oct, 2022(Certification Organization: DQS)

CERTIFICATE dqs IS045001 199503751X

· Certification Scope: R&D Center, Ochang Plant, Hwasun Plant, Eumseong Plant · Effective Date : Aug, 31, 2021 - Aug, 30, 2024



Gener

1

CERTIFICATE

das

IS045001

· Certification Scope: Cell Center · Effective Date : Oct, 1, 2022 - Sep, 30, 2025

Industrial Accident GRI 403-9 | GRI 403-10

| Managemen | Management of Worksites where Industrial Accidents Occurred | | | | | | | | | | |
|--------------------------|---|--|--------|------|------|------|---|--|--|--|--|
| | (| Classification | Unit | 2020 | 2021 | 2022 | | | | | |
| GC (Holding Company) | Worksites | Ratio of worksites where industrial accidents occurred | 0 | 0 | 0 | | | | | | |
| | | Total number of worksites | Places | 1 | 1 | 1 | | | | | |
| GC Worksite Biopharma | | Ratio of worksites where industrial accidents occurred | % | 6.3 | 6.7 | 6.7 | | | | | |
| | | Total number of worksites | Places | 16 | 15 | 15 | | | | | |
| GC Cell | Worksites | Worksites Ratio of worksites where industrial accidents occurred | | % | 0 | 0 | 0 | | | | |
| | | Total number of worksites | Places | 32 | 44 | 50 | | | | | |

· Occupational diseases in the GC Group include infectious diseases, chemical factors, and musculoskeletal disorders

· Scope of business-related disaster data calculation

- GC (Holding Company) : Headquarter

- GC Biopharma : Headquarter, three plants (Ochang, Hwasun, Eumseong), R&D Center, 10 worksites

· GC Cell : Headquarter, cell center, 47 worksites, logistics center

SHE

| | Classification | Unit | 2020 | 2021 | 2022 |
|--|---|---------|------|------|------|
| GC (Holding Work- | Number of industrial accident victims | Cases | 0 | 0 | 0 |
| Company related Industrial Accidents | Industrial accident victims | Persons | 0 | 0 | 0 |
| | Number/ratio of work-related fatalities (for all employees) | | 0 | 0 | 0 |
| | Number/ratio of work-related injuries (for all employees, excluding fatalities) | | 0 | 0 | 0 |
| | Industrial accident rate | - | 0 | 0 | 0 |
| | LTIFR ¹⁾ | | 0 | 0 | 0 |
| | Lost time incident | Cases | 0 | 0 | 0 |



GRI 403: Occupational Health and Safety

Industrial accident GRI 403-9 | GRI 403-10

| SHE | | | | | | |
|-----------|-------------------------|---|---------|------|------|------|
| | | Classification | Unit | 2020 | 2021 | 2022 |
| GC | Work- | Number of industrial accident victims | Cases | 2 | 1 | 1 |
| Biopharma | related | Industrial accident victims | Persons | 2 | 1 | 1 |
| | Industrial | Number/ratio of work-related fatalities | | 0 | 0 | 0 |
| | Accidents | (for all employees) | | U | U | U |
| | | Number/ratio of work-related injuries | | 0 | 0 | 0 |
| | | (for all employees, excluding fatalities) | | U | U | U |
| | | Industrial accident rate | - | 0.10 | 0.05 | 0.04 |
| | | LTIFR ¹⁾ | | 0.40 | 0.19 | 0.18 |
| | | Lost time incident | Cases | 5 | 2 | 6 |
| GC Cell | Work- | Number of industrial accident victims | Cases | 0 | 0 | 0 |
| | related | Industrial accident victims | Persons | 0 | 0 | 0 |
| | Industrial Accidents | Number/ratio of work-related fatalities (for all employees) | | 0 | 0 | 0 |
| | | Number/ratio of work-related injuries | | 0 | 0 | 0 |
| | | (for all employees, excluding fatalities) | | 0 | 0 | 0 |
| | | Industrial accident rate | - | 0 | 0 | 0 |
| | | | | 0 | 0 | 0 |
| | | Lost time incident | Cases | 0 | 0 | 0 |

1) Number of industrial accident victims / total working hours per year*1,000,000 hours

GRI 404: Employee's Performance Management

Employee's Performance Assessment GRI 404-3

- · Regular assessment on work performance and career development is for performed for full-time employees.
- Performance assessment is performed in considers both mid- to long-term goal management and short-term performance.

Employee's Performance Management

| | Classification | Unit | 2020 | 2021 | 2022 |
|----------------------|---|------|--------------------|--------|------|
| GC (Holding Company) | Ratio of Employees Subject to Performance Evaluation | % | 90.3 | 95.8 | 91.3 |
| GC Biopharma | Ratio of Employees Subject to Performance Evaluation | - | 97.7 | 94.7 | 96.6 |
| GC Cell | Ratio of Employees Subject to Performance Evaluation | - | 80.5 ¹⁾ | 80.91) | 78.9 |

1) Adjusted and disclosed based on the business report on the DART

Performance

Training on Performance Management

• GC (Holding Company) strengthens employee's performance management through annual performance management training and improves effectiveness of performance management

· 3 hours of training per employee and 23 hours per team leader as of 2022.

2022's Training on Performance Management

| Subject | Training Target | Number of Training | Trainees | Training Completion | Completion Rate |
|------------------------------------|-------------------|-----------------------|----------------|------------------------|--------------------|
| Training on Performance Management | Regular Employees | Four times a year | 139 Persons | 139 Persons | 100% |

Satisfaction Survey on Performance Assessment

- GC Biopharma conducted satisfaction survey on performance assessment annually after they complete year-end performance assessment

- Performance management system, satisfaction of evaluators, fairness of assessment, changing trend in annual and reporting results to CEO
- In case of changes in performance system, it actively reflects on survey results
- 2022 satisfaction survey results 3.32 points (out of 5 points). Improved satisfaction compared to the previous year (3.15 points)

GRI 404: Employee's Performance Management

Employee's Performance Assessment GRI 404-3

Performance

Continuous Performance Management

• GC (Holding Company) focuses on using performance management as a 'tool to help create performance' rather than a 'evaluation tool' by continuing and repeating the communication cycle from goal setting to task performance review and process.



- To establish clear and challenging goals for each individual, we focuses on alignment of goals as a company, a group, and as an individual from our mission and vision.
- A development-oriented performance management system based on absolute evaluation is being established and implemented.
- Especially, by utilizing the newly introduced cloud-based data sharing performance management system, we can support the achievement of goals through real-time feedbacks.
- GC Biopharma operates absolute evaluation to meet goals for sound performance management culture.
- Individual goal sharing sessions in starting early year, and performing evaluation session with evaluators in each part at the end of years.
- Performance management through regular activity management in the mid of year and feedbacks
- In 2022, Success Factors' PMGM Module base on SAP's Cloud System that meet global standards had been build up.
- · GC Cell operates a KPI system for performance management and links company-sector-teamindividual KPIs to ensure that individual KPI achievement contributes to the achieving the company's overall goals.

Employees' Compensation GRI 405-2

- $\cdot\,$ GC Group provides Fair and reasonable reward systems based on individual performance
- Financial Reward: Financial reward including basic pay and performance-based pay
- Non-financial Reward: Emphasize autonomy, growth, recognition and diverse feedbacks and motivation
- \cdot The performance-related pay system applies to all employees in GC (Holding Company), GC Biopharma and GC Cell

Employee's Compensation GRI 405-2

| Employee's | Compens | ation | | | | | |
|------------|-------------------|---|------------------|----------------|--------------------|-------------------------|------|
| | С | lassificatio | วท | Unit | 2020 | 2021 | 2022 |
| GC | Average S | Salary per | Person | KRW | 85 ¹⁾ | 85 ¹⁾ | 82 |
| (Holding | Average Salary | By | Male | million | 90 | 91 | 92 |
| Company) | | Gender | Female | _ | 71 | 73 | 65 |
| | | Ratio of Basic Salary and Remuneration of Female to Male | | % | 78.9 | 80.2 | 70.7 |
| GC | Average S | Salary per | Person | KRW | 68 | 71 | 69 |
| Biopharma | Average | By | | | 71 | 73 | 72 |
| | Salary | Gender | Female | _ | 62 | 62 | 61 |
| | | Ratio of Basic Salary and Remuneration of Female to Male | | % | 87.3 ²⁾ | 84.92) | 84.7 |
| | | By Position | Total | KRW million | 69 | 71 | 69 |
| | | | Sales/Management | | 77 | 81 | 81 |
| | | | R&D | | 72 | 72 | 75 |
| | | | Production | | 60 | 63 | 58 |
| GC Cell | Average S | Salary Per | Person | KRW | 46 ²⁾ | 37 ²⁾ | 52 |
| | Average | Ву | Male | million | 47 ²⁾ | 44 ²⁾ | 57 |
| | Salary | Gender | Female | _ | 41 ²⁾ | 26 ²⁾ | 43 |
| | | Ratio of Basic Salary and Remuneration of Female to Male | | % | 87.2 ²⁾ | 59.1 ²⁾ | 75.4 |
| | | By Position | Total | KRW million | 45 ²⁾ | 39 ^{2]} | 53 |
| | | | Sales/Management | | 43 ²⁾ | 48 ²⁾ | 56 |
| | | | R&D | | 61 ²⁾ | 50 ²¹ | 60 |
| | | | Production | | N/A ³⁾ | 13 ²⁾ | 45 |

1) The figures were adjusted by excluding auditors, advisors, and independent directors

2) Adjusted and disclosed based on the business report on the DART

3) Prior to merger in 2021, no subject to evaluation

 \sim

S SOCIETY

GRI 405: Diversity Management

Diversity of Employees GRI 405-1 | GRI202-2

 GC Group discloses detailed composition ratios of female employees, female executives, etc. and helps all employees work in an equal environment without gender/race discrimination
 GC (Holding Company), GC Biopharma and GC Cell all show an increase in ratio of female employees for the last three years

Performance

Policy for Employee Diversity and Supervision

 \cdot GC Group considers securing employee diversity from the moment of hiring and makes sure that female employees take leave of absence for child care, such as maternal protection.



Employee Diversity

| | Classification | | | | | 2020 | 2021 | 2022 |
|----------|-----------------|--------------------------|--------------------------------|----------|---------|------|------|------|
| GC | Female | Female Executives | | | Persons | 0 | 0 | 0 |
| (Holding | Employee Status | Non-standir | Non-standing Female Executives | | | 0 | 0 | 0 |
| Company) | | Female experts | | | | 10 | 10 | 10 |
| | | Other female employees | | | | 34 | 37 | 51 |
| | Disabled | Number of | disabled em | ployees1 | | 1 | 0 | 0 |
| | Employee Status | Disabled employment rate | | | % | 0.6 | 0.0 | 0.0 |
| | Foreign | Indoor | Total | | Persons | 2 | 3 | 3 |
| | Employee Status | worksites | Ratio | | % | 1.2 | 2.1 | 1.8 |
| | | | Nation | The U.S | Persons | 0 | 1 | 1 |

1) Korea Employment Agency for Persons with Disabilities Reporting Criteria

| GC Biopharma's Diversity Goals in 2023 | |
|--|--|
|--|--|

Target of Hiring More Than **10** People with Disabilities

| Diversity of | Employees | | | | | | | |
|---------------------|--------------------|--------------------------|--|----------------|---------|------|------|------|
| | (| Classificatio | า | | Unit | 2020 | 2021 | 2022 |
| GC | Foreign | Indoor | Nation | The U.K | Persons | 0 | 0 | 0 |
| (Holding | Employee | worksites | | Australia | | 1 | 1 | 1 |
| Company) | Status | | | Canada | | 1 | 1 | 1 |
| | | Overseas w | | | | 4 | 4 | 7 |
| GC | Female | Female Ex | ecutives | | Persons | 2 | 3 | 2 |
| Biopharma | Employee | Non-stand | ling Fema | ale Executives | | 0 | 0 | 0 |
| | Status | | Female experts | | | 174 | 200 | 215 |
| | | | Other female employees | | | 311 | 345 | 374 |
| | Disabled | | Number of disabled employees ²¹ | | | 18 | 16 | 17 |
| | Employee Status | Disabled employment rate | | | % | 0.9 | 0.7 | 0.7 |
| | Foreign | Indoor | Total | | Persons | 9 | 8 | 6 |
| | Employee | worksites | Ratio | | % | 0.4 | 0.4 | 0.3 |
| | Status | | Nation | The U.S | Persons | 1 | 2 | 1 |
| | | | | The U.K | | 1 | 0 | 0 |
| | | | | Canada | | 3 | 2 | 2 |
| | | | | Germany | | 0 | 1 | 1 |
| | | | | Belgium | | 1 | 1 | 1 |
| | | | | China | | 2 | 1 | 0 |
| | | | | Russia | | 1 | 1 | 0 |
| | | | | Others | | 0 | 0 | 1 |
| | | | Job | Sales | | 1 | 1 | 1 |
| | | | | Production | | 2 | 2 | 2 |
| | | | | R&D | | 5 | 5 | 3 |
| | | | | Management | | 1 | 0 | 0 |
| | | Overseas v | vorksites | | | 0 | 0 | 0 |

1) Adjusted and disclosed based on the business report on the DART

2) Korea Employment Agency for Persons with Disabilities Reporting Criteria



GRI 405: Diversity Management

Diversity of Employees GRI 405-1 | GRI202-2

Diversity of Employees

| | (| Classification | | Unit | 2020 | 2021 | 2022 |
|---------|--------------------|----------------|----------------------------------|--------|-------------------------|-------------------|------|
| GC Cell | Female | Female Exec | cutives | Person | 1 | 1 | 1 |
| | Employee | Non-standin | g Female Executives | | 0 | 0 | 0 |
| | Status | Female Expe | erts | | 23 ¹⁾ | 51 ¹⁾ | 57 |
| | | Other Femal | e Employees | _ | 77 ¹⁾ | 227 ¹⁾ | 245 |
| | Disabled | Number of D | Disabled Employees ²⁾ | | 8 | 10 | 11 |
| | Employee Status | Disabled Em | ployment Rate | % | 1.8 | 1.3 | 1.3 |
| | Foreign | Indoor Total | | Person | 0 | 0 | 0 |
| | Employee | Worksites | Ratio | % | 0.0 | 0.0 | 0.0 |
| | Status | Overseas Wo | orksites | Person | 0 | 0 | 0 |

1) Adjusted and disclosed based on the business report on the DART

2) Korea Employment Agency for Persons with Disabilities Reporting Criteria

Performance

Achievement of Goals for Mandatory Hiring of Disabled Employees

- · GC Biopharma makes an effort to create social value by creating and extending job opportunities for disabled people and
- Performing job consulting in cooperation with Korea Employment Promotion Agency for the Disabled in 2022.
- Searching for talents appropriate for production, equipment maintenance and IT.
- For recruitment, we get recommendations from Korea Employment Promotion Agency for the Disabled or announce recruitment notice of preferential benefits for disabled employees.
- GC Biopharma's achieved 23% of mandatory recruiting target for disabled employees in 2022 and plans to achieve 50% in 2023
- Creating an environment for disabled employees to work in various jobs.

Job Extension for Disabled Employees

- GC Biopharma
- We extend training programs for improving language through hiring disabled employees language course/textbook development since 2023.
- Encouraging them to use flexible working hours for their convenience.

Diversity of Governance Bodies and Employees GRI 405-1

Diversity of Governance Bodies and Employees

| | Classi | fication | | | Unit | 2020 | 2021 | 2022 |
|-------------|----------------------|-----------|--------|---------------------|---------|------|------|------|
| GC (Holding | Management | Executive | Total | | Persons | 11 | 11 | 12 |
| Company) | Status | | Male | | | 11 | 11 | 12 |
| | | | Female | | | 0 | 0 | 0 |
| | | Non- | Total | | Persons | 1 | 1 | 1 |
| | | Executive | Male | | | 1 | 1 | 1 |
| | | | Female | | | 0 | 0 | 0 |
| | Manager | By | Male | Total | Persons | 39 | 32 | 37 |
| | Status | Gender | | Ratio | % | 84.8 | 82.1 | 75.5 |
| | | | Female | Total | Persons | 7 | 7 | 12 |
| | | | | Ratio ¹¹ | % | 15.2 | 17.9 | 24.5 |
| | | By | G3 | Ratio | % | 100 | 100 | 100 |
| | | Position | G2 | Ratio | | 0 | 0 | 0 |
| | | | G1 | Ratio | | 0 | 0 | 0 |
| | Expert Status | By | Male | | Persons | 7 | 4 | 6 |
| | | Gender | Female | | | 10 | 10 | 11 |
| GC | Management | Executive | Total | | Persons | 25 | 27 | 25 |
| Biopharma | Status ¹⁾ | | Male | | | 23 | 24 | 23 |
| | | | Female | | | 2 | 3 | 2 |
| | | Non- | Total | | Persons | 1 | 1 | 1 |
| | | Executive | Male | | | 1 | 1 | 1 |
| | | | Female | | | 0 | 0 | 0 |
| | Manager | By | Male | Total | Persons | 702 | 778 | 800 |
| | Status | Gender | | Ratio ¹⁾ | % | 80.1 | 79.6 | 78.8 |
| | (Cont'd) | | Female | Total | Persons | 174 | 200 | 215 |
| | | | | | % | 19.9 | 20.4 | 21.2 |

1) Adjusted and disclosed based on the business report on the DART

GRI 405: Diversity Management

Diversity of Governance Bodies and Employees GRI 405-1

| Diversity of Governance Bodies and Employees | | | | | | | | |
|--|------------|-------------|--------|---------------------|---------|------|------|------|
| | Class | ification | | | Unit | 2020 | 2021 | 2022 |
| GC | Manager | By Position | (S)GL5 | Ratio | % | 15 | 14 | 14 |
| Biopharma | Status | | (S)GL4 | Ratio | | 27 | 27 | 28 |
| (Cont'd) | | | (S)GL3 | Ratio | | 58 | 59 | 58 |
| | | | (S)GL2 | Ratio | | 0 | 0 | 0 |
| | | | (S)GL1 | Ratio | | 0 | 0 | 0 |
| GC Cell | Management | Executive | Total | | Persons | 4 | 9 | 10 |
| | Status | | Male | | | 3 | 8 | 9 |
| | | | Female | | | 1 | 1 | 1 |
| | | Non- | Total | | Persons | 2 | 2 | 1 |
| | | Executive | Male | | _ | 2 | 2 | 1 |
| | | | Female | | | 0 | 0 | 0 |
| | Manager | By Gender | Male | Total | Persons | 98 | 149 | 148 |
| | Status | | | Ratio ¹⁾ | % | 80.3 | 74.1 | 71.8 |
| | | | Female | Total | Persons | 24 | 52 | 58 |
| | | | | Ratio ¹⁾ | % | 19.7 | 25.9 | 28.2 |
| | | By Position | L4 | Ratio | % | 25 | 19 | 18 |
| | | | L3 | Ratio | | 75 | 81 | 82 |
| | | | L2 | Ratio | | 0 | 0 | 0 |
| | | | L1 | Ratio | | 0 | 0 | 0 |

1) This is a value recalculated by changing the parameter for the ratio of managers by gender in 2020 and 2021 from the total number of managers by gender to the total number of managers

Human Rights Management

Human Rights Management Policy - GC Human Rights Charter

• GC Group is committed to implement human rights management to mitigate risks of human rights that might be occurred throughout our business management

- Obedience of human rights &labor relevant international standards and guideline: the Universal Declaration of Human Rights (UDHR), the UN Guiding Principles on Business and Human Rights (UNGPs), the UN Convention on Child Rights, the International Labor Organization Core Convention, and the OECD Due Diligence Guidance for Responsible Business Conduct.
- Compliance with labor and human rights regulations in individual countries and regions where the business is operated
- We disclosed 'GC Human Rights Charter (Shortcut®)' to reflect international principles and guidelines on human rights and labors. To prevent any violation to human rights within the business sites or with our business relations, and various policies including ethical norm and business partner's code of conduct have been also established and strictly adhered to in our management activities.
- Except as otherwise expressly provided for in the articles of incorporation or regulations of the State or organization, all executives and employees of GC Group shall perform their duties in accordance with the Charter of Human Rights.

· GC (Holding Company)

- GC (Holding Company) discloses policies for human-right management and the Charter of Human Rights in its website.
- Scope of applying the Charter of Human Rights: All stakeholders including employees (including executives, employees, and temporary employees), partners and workers in special employment types in community when operating business.

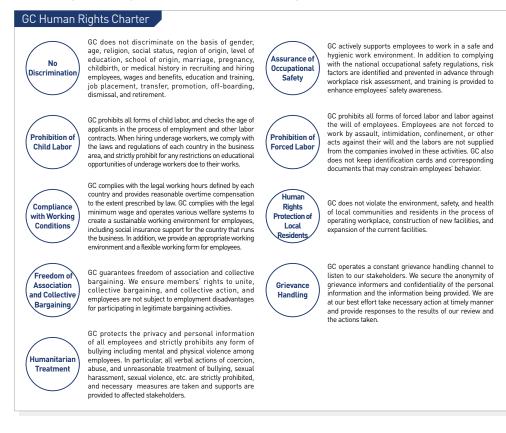
GC Biopharma

- GC Biopharma operates policies for human-right management by applying GC Group's Charter of Human Rights
 Scope of applying the Charter of Human Rights: All stakeholders including employees (including executives, employees, and temporary employees), partners and workers in special employment types in community when operating business
- · GC Cell

- GC Cell operates policies for human-right management by applying GC Group's Charter of Human Rights
 - Scope of applying the Charter of Human Rights: All stakeholders including employees (including executives, employees, and temporary employees), partners and workers in special employment types in community when operating business

Human Rights Management

Human Rights Management Policy - GC Human Rights Charter



Human Rights Governance

 GC Group recognizes human rights risk factors such as potential human rights risks, human rights issues through 'ESG Management Council' and makes sure that critical human rights issues are reported to BOD.

Risk Management of Human Rights Violation

- GC Group prohibits any form of human rights violations and applies the principle of zero tolerance to actors
- \cdot We perform continuous monitoring to prevent recurrence based on regular analysis and inspection
- We plan to promote human-right issue management by strengthening human-right audit process to comply with social responsibilities and rules and achieve high-level of human protection
- GC Cell conducted human rights audit in 2022 (1 time), observation of 2 improvement and completed 2 actions (action rate: 100%)
- \cdot GC (Holding Company) and GC Biopharma manages the number of human rights violation through monitoring
- GC (Holding Company): As of 2022, the number of human rights violations was zero
- GC Biopharma: As of 2022, the number of human rights violations was zero

Potential Risk by Stakeholders

| Stakeholders | Potential Risk Management | Scope |
|---|---|---|
| Employees and Executives, Partners and Workers in Special Employment Types | Improvement capability in labor management such comply working hours Protecting workers from unfair behaviors and unreasonable request Addressing safety issues that pose a physical threat to occupational safety and health Information security and privacy | |
| Local Community | Helps manage and report related issues to avoid human rights issues in the community | GC (Holding Company) GC Biopharma GC Cell |

Human Rights Audit Process

| 1. Receipt of Violation Case and Protection of Victims | 2. Understanding Case and Driving Risk | 3. Committee Deliberation | 4. Report Results to BOD | 5. Follow-up Measure |
|---|---|--|---|--|
| Receipt of human- right violation Measure to report to victims | Investigation on case whether it is based on truth Check potential human-right risks | Deliberation based on result of audits Decision-making whether to report BOD or not | Report critical human- right issues to BOD Prevent recurrence through sharing results inside and outside | Establishing tasks for improvements Monitoring whether these tasks are implemented |

Human Rights Management

Human Rights Education GRI 410-1

- Targeting all employees and executives(Domestic worksites) of all GC's affiliates and GC operates three hours training on human rights education per person from 2022.
- We provide training on labor rights to all employees, such as prevention of sexual harassment, workplace harassment and improving awareness of the disabled.
- We will continue to make efforts to protect human rights in the workplace by providing various human rights education
- \cdot Education on human rights policies and procedures is replaced by the distribution of the 'GC Human Rights Charter'

Human Rights Education

| | Classifica | tion | Unit | 2020 | 2021 | 2022 |
|---------------------------|--|---------------------------------------|---------|-------|-------|-------|
| GC (Holding | Sexual Harassment | Training Completion Rate | % | 100 | 100 | 100 |
| Company) | Prevention/Improving Awareness of Disability/ Workplace Bullying | Number of People Completing Course | Persons | 170 | 151 | 163 |
| Prevention | Number of People Targeting | | 170 | 151 | 163 | |
| GC | Sexual Harassment | Training Completion Rate | % | 100 | 100 | 100 |
| Biopharma | Prevention | Number of People Completing Course | Persons | 2,055 | 2,099 | 2,212 |
| | | Number of People Targeting | | 2,055 | 2,099 | 2,212 |
| | Improving Awareness of | Training Completion Rate | % | 99.9 | 100 | 98.7 |
| | Disability | Number of People Completing Course | Persons | 2,055 | 2,099 | 2,212 |
| | | Number of People Targeting | | 2,058 | 2,099 | 2,242 |
| | Workplace Bullying | Training Completion Rate | % | 100 | 95.0 | 100 |
| | Prevention | Number of People Completing Course | Persons | 2,081 | 2,051 | 2,194 |
| | | Number of People Targeting | | 2,081 | 2,159 | 2,194 |
| GC Cell Sexual Harassment | | Training Completion Rate | % | 100 | 100 | 100 |
| | Prevention/Improving Awareness of Disability/ Workplace Bullying | Number of People Completing Course | Persons | 445 | 799 | 838 |
| | Prevention | Number of People Targeting | | 445 | 799 | 838 |

Co-prosperity with Partners

Policy for Co-prosperity with Partners

- Through compliance with fair trade principles and related laws, GC Group is establishing transparent and fair business relationships with our partner to build a sustainable business ecosystem.
- In order to supply and provide high-quality medicines and services, GC Biopharma operates a supply chain based on Win-Win management and shares prosperity with our partners in the entire production and quality process.

Performance

Strengthening HSE Supporting System for Partners

- · GC (Holding Company)
- Share GC policies and directional vision for a sustainable future environment, including environmental compliance, safety and health regulations, and environmental pollution reduction activities for approximately 40 partners in the first and second half of the year
- In the long run, the company will introduce a regular environment and safety and health education system to share the future value of environmental safety of partners

Establishing Supporting System to Strengthen Safety and Health for Partners

- GC Cell established SOP for 'Consignors and outsourced contractors' to operate system for GC Cell and partners' safety and health activities.
- Conducting tour inspections of partner companies and joint quarterly tour inspections.
- Ask for taking measures for findings in monthly committee meeting and continuous action to help consignors comply with safety and health measures.
- GC Cell conducts musculoskeletal hazard investigation on employees of 10 partner companies in Jun, 2022 - Sharing investigation results with partners through committee meetings.
- Request to promote education and improvement activities by providing best exemplary training plans and materials to seven partners in need of improvement.
- In 2023, we will provide guidance and advice on improvement implementation activities by providing training and evaluation forms on how to assess the risks of GC Cells to partners who have difficulty in self-regulated risk assessment.

Partners Day for Co-prosperity

• Partners are invited once a year to promote ethical standards and internal reporting systems to be provided with lectures by experts. Meetings are also available to listen to the voices of our partners too since 2019

It was difficult to have face-to-face meetings due to COVID-19 from 2020, we alternatively distribute data such as GC Biopharma's ethical standards and subcontracting laws to partner companies and operates alternatively

Information Security and Personal Information Protection Policy

Information Protection Policy and Goals

- The GC Group thoroughly complies with personal information protection laws such as 'Act on Promotion of Information and Communication Network Utilization and Information Protection', and the 'Personal Information Protection Act', and establishes and operates separate guidelines for each affiliate
- Information protection policy can is applied to all person including employees and partners who access personal information.
- Information security investment budget and execution performance in 2022 totaled KRW 440 million, investment budget KRW 710 million in 2023 (based on GC Biopharma)

Ê

GC Group's Goals for Information Security and Personal Information Protection More than **70%** of security training completion for all executives and employees (Regular workers, contract workers, dispatched workers)

- · GC (Holding Company)
- We have established 'Information Security Management Guidelines' to protect our intellectual assets of research capabilities, and manage to prevent infringement of customers' personal information
- · GC Biopharma
- 'Information Security Management Regulations (1) and Guidelines (13) are established and operated, and the level of information protection is continuously improved and service stability is secured through periodic review at least once a year
- We operate Information protection policy and personal information projection policy in accordance with GC Biopharma's Information Protection Policy

GC Biopharma's Information Protection Policy

🔶 GC Biopharma

Article 7 Information Protection Policy

- The company shall document related guidelines, etc. for establishing information protection policies and implementing policies and publish them to executives and employees.
- 2. Information protection policies shall be approved by CISO upon enactment or amendment...(abbreviated) ...
- Article 37 Personal Information Protection
- 1. Personal information shall be collected and managed at a minimum based on necessary purpose.
- The Personal information should be protected so that only authorized personnel can access it ...(abbreviated)
- ...

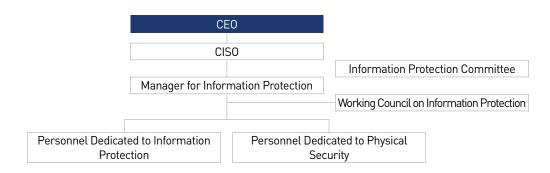
· GC Cell

- We have established a personal information handling policy in accordance with related laws and regulations, and we are doing our best to protect the rights and interests of users by posting the personal information processing policy on the website
- In order to comply with GMP and logistics business regulations, computer system security management methods and information operation guidelines are established and operated, and information is protected by regulating backup and recovery procedures

Information Protection Governance

- · GC Group appoints Chief Information Security Officer (CISO) required by information network law and performs relevant works to protect information
- · CISO complies with information network law and CISO's qualification is those with more than M.A in information technology and information protection
- GC Biopharma's CISO has more than 20 years of experience in information protection and technology
- Management reporting and decision-making processes on key issues related to information protection are operated, and reporting to the board of directors in case of critical issues.

Information Protection Organization System



Information Security and Personal Information Protection Policy

Training on Information Protection (Training on Data Safety and Security)

- GC Group's information protection training is conducted for all executives and employees (regular workers, contract workers, and dispatched workers)
- GC Biopharma conducts total three trainings on information protection in 2022
- One personal information security training session for company employees, one training session for new and experienced employees, and one training session for company-wide information security video session
- Training contents: Effective ways to response to internal/external security threats and security compliance by employees and executives etc.

Training on Information Protection

| | Classification | Unit | 2020 | 2021 | 2022 |
|-------------|---|---------|-------|-------------------|-------|
| GC (Holding | Training Completion Rate | % | 100 | 100 | 100 |
| Company) | Number of Employees Completing Training | Persons | 155 | 137 | 159 |
| | Number of Training Target | | 155 | 137 | 159 |
| GC | Training Completion Rate | % | 100 | 100 | 100 |
| Biopharma | Number of Employees Completing Training | Persons | 2,046 | 2,050 | 2,226 |
| · | Number of Training Target | | 2,046 | 2,050 | 2,226 |
| GC Cell | Training Completion Rate | % | 83.8 | 95.1 | 98.8 |
| | Number of Employees Completing Training | Persons | 320 | 750 | 817 |
| | Number of Training Target | | 3821 | 789 ^{2]} | 827 |

1) Excluding those on leave of absence, contract workers, executives and advisors 2) Excluding those on leave of absence

Performing IT Security Audit

- GC Biopharma conducts audit on IT policy and security to strengthen information security and personal information protection policy once a year

- Check on compliance in personal information

Improvements From IT Security Audit

| | Classification | Unit | 2020 | 2021 | 2022 |
|-----------|---------------------------------------|-------|------|------|------|
| GC | Number of Suggestions for Improvement | Cases | N/A | 100 | 100 |
| Biopharma | Number of Completion of Improvement | | N/A | 13 | 5 |
| | Improvement Rate | % | N/A | 13 | 5 |

ISO Certification and Monitoring

- · GC (Holding Company), GC Biopharma
- Obtaining ISO27001 (Information Protection Management System)

IS027001

IS027001 Certification

| | Classification | | Unit | 2020 | 2021 | 2022 |
|--------------|------------------|--|------|------|------|------|
| GC (Holding | Ratio of systems | Ratio | % | 0 | 100 | 100 |
| Company), | obtaining | Number of systems with certification ¹¹ | EA | 0 | 141 | 141 |
| GC Biopharma | certification | Number of systems targeting to get certification | | 0 | 141 | 141 |

1) It means the number of servers used, and GC Biopharma has obtained certification for system of GC (Holding Company), GC Biopharma



· Certification Scope: GC (Holding Company), GC Biopharma

 Information security management system for planning, operation, development and maintenance of IT system

· Effective Date : 28 Dec, 2021 ~ 27 Dec, 2024

Information Security and Personal Information Protection Policy

Risk management of Information Security and Personal Information Protection

| Information Se | Information Security and Personal Information Protection Policy | | | | | | | |
|-------------------------|--|-------|------|------|------|--|--|--|
| | Classification | Unit | 2020 | 2021 | 2022 | | | |
| GC (Holding Company) | Number of Violation of Personal Information and Leakage of Information | Cases | 0 | 0 | 0 | | | |
| GC Biopharma | Number of Violation of Personal Information and Leakage of Information | | 0 | 0 | 0 | | | |
| GC Cell | Number of Violation of Personal Information and Leakage of Information | | 0 | 0 | 0 | | | |

· GC Group recognizes cyber crime, leakage of personal information as information protection risks

- · GC (Holding Company) & GC Biopharma
- Establish manuals to respond of information information infringe and define reporting system and procedures by type of infringe
- Establish information protection system and operate security control tower on a regular basis to prevent personal information leakage such as intrusion and internal information leakage etc.
- Security covenants are being sought for outsourced personnel

· GC Cell

- Establish data leakage prevention system and document centralization to prevent intrusion and internal information leakage etc.
- System access and authorization are regularly performed and monitored.

Effectiveness Assessment for Measures to Recognize and Alleviate Major Risk Factors

- In 2022, information protection system levels for GC Biopharma were evaluated for 12 weeks.
- Performing administrative, technical, and physical diagnostics based on ISO27001 (Information Protection Management System)
- Security governance, cyber risk management, system security, internal information leakage, diagnosis by physical security management area
- Background
- Increased importance of internal and external information, such as R&D and sales information related to pharmaceutical industry.
- Prevent indirect damage, such as direct damage to the company's information assets and damage to its image and to prevent information leakage
- Establish tasks to recover vulnerability found in diagnosis and perform mid-term master plan for three years

Effectiveness Metrics

· Targeting department: All departments

🔶 GC Biopharma

Assessment period: Jan, 1 2022- Dec, 16, 2022

Index(Examples): Information Protection Day Department diagnosis average score, number of security audits pointed out, employee security training completion rate, outsourced personnel security pledge rate, vulnerability diagnosis result implementation rate, failure occurrence management rate

Roadmap toward Improvement of Information Security and Personal Information Protection

| | | | _ | |
|--|---|--|---|------------------------|
| 2022 | | 2023 | | |
| Organizing security organization Performing cyber drills Standardization of procedures etc. for IT system development/ operation security management | > | Establishing standards for information asset management and strengthening risk assessment Establishment of a personal | > | · Ao · Ao m m |

| After | 2024 |
|-------|------|
| | |

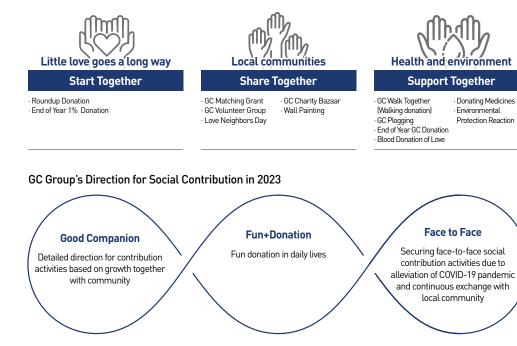
- Advance in SIEM/security system Actualization of audit/
- management system and periodic management etc.
- information life cycle management system, etc.
- Stan
- etc. oper

Social Contribution

GC Group's Policy and Goals for Social Contribution

- GC Group categorizes 3 key areas setup goal for social contribution in three categories as Start Together, Share Together, Support Together with the slogan 'Good Companion' in 2022.
 Establish systematic strategies to strengthen CSR promotion inward and outward continuously in 2022.
- · With new keynote of Fun+Donation and growth together with local community, we add new charity program 'Environmental Protection Reaction(In 2022) and 'Wall Painting(in 2023)'
- From 2023, we run face-to-face activities again with 54 charity clubs contributing to society more than one time each

GC Group's Key Area and Activities



GC's Goals for Social Contribution in 2023



| Social Contribution | | | | | | |
|---------------------|-----------------------------------|---------------|--------------------|--------------------|--------------------|--|
| | Classification | Unit | 2020 ¹⁾ | 2021 ^{2]} | 2022 ³⁾ | |
| GC (Holding | Ratio of Social Contribution | KRW million | 15 | 27 | 26 | |
| Company) | Number of Employees Participating | Persons | 183 | 200 | 206 | |
| | Service Hours per Employee | Times/Persons | 1.0 | 8.0 | 6.1 | |
| GC | Ratio of Social Contribution | KRW million | 7,680 | 2,857 | 5,521 | |
| Biopharma | Number of Employees Participating | Persons | 2,787 | 2,717 | 2,839 | |
| | Service Hours per Employee | Times/Persons | 1.0 | 8.0 | 5.0 | |
| GC Cell | Ratio of Social Contribution | KRW million | 11 | 8 | 7 | |
| | Number of Employees Participating | Persons | 95 | 364 | 373 | |
| | Service Hours per Employee | Times/Persons | 1.0 | 8.0 | 6.8 | |

1) Blood Donation, Matching Grant, End of Year 1% Donation, Roundup Donation(But GC Cell excludes Matching Grant)

2) Plogging, Walking Donation, Matching Grant, End of Year 1% Donation, Roundup Donation Donation(But GC Cell excludes Matching Grant)

3) Plogging, Environmental Protection Reaction, Blood Donation, Walking Donation, Matching Grant, End of Year 1% Donation, Roundup Donation Donation(But GC Cell excludes Matching Grant)

Social Contribution

Start Together - Little Love Goes A Long Way

Performance

Roundup Donation & End of Year 1% Donation

• 'Roundup Donation' is monthly voluntary donation of less than KRW 1,000 (KRW 1 to 999) from employee's end digits of monthly salary and 'End of Year 1% Donation' is voluntary donation of 1% of monthly salary in December each year.

Share Together – Local Community & Neighbors

Performance

GC Matching Grant

• GC Matching Grant is a 1:1 partnership system with donors to provide continuous sponsorship to the underprivileged in the community such as senior citizens who lives alone and a child head of household in conjunction with regional agencies for areas where the headquarter and manufacturing sites. At this time, the company supports the equal amount of the donation made by employee.

• Find senior citizens who lives alone and a child head of household and support them in cooperation with regional agencies for areas and NGOs such as Yong-in Social Welfare Center, Community Chest of Korea and Child Fund Korea etc.

 \cdot In addition to financial supports, we also visit senior citizens living alone, which are sponsored through the matching grant system, replace old wallpapers and floorboards, and serve as companions.

GC Volunteer Group

• Due to COVID-19, all activities were temporarily stopped but it is expected to be up and resume GC Volunteer's activities by encourage participation volunteer activities of headquarters and local worksites continuously.

· GC Volunteer Group continuously communicates with local cooperation organizations for social contribution.

Love Neighbor Day & GC Charity Bazaar

• 'Love Neighbor Day' is a program for volunteering for local neighbors in need of help with families of employees and executives and all family members together are visiting welfare center and making Kimchi together etc.



• 'GC Charity Bazaar' has been GC's representative social contribution for the last 30 years and major event in GC social contribution that has been conducted for over 30 years

to help neighbors in need with the proceeds from the sale of the goods donated by employees.

 In addition to supporting social welfare facilities related to the GC Volunteer Group, we are trying to provide practical help to neighbors in need, such as supporting living expenses for senior citizens, foreign workers, and North Korean refugees and supporting children's tuition fees for neighbors in need.

GC Biopharma, Running Campaign for 'World Hemophilia Day' and 'Rare Disease Day'

· Present images to commemorate 'World Hemophilia Day' in Media-Façade of R&D Center in Yongin, Gyeonggi-do.

Campaign with images with 'Rare Disease Day, February 28, 2022! #LightUpForRare' with official slogan 'Light Up for Rare' to participate in the last event of Feb for 'Rare Disease Day' set by European Organization for Rare Diseases, EURORDIS
 Slogan has messages to light patients with rare diseases



Social Contribution

Share Together – Local Community & Neighbors

Performance

'Wall Painting'

• We plan to perform 'Wall painting(working title)' which is a new participation volunteering activity in 2023.

GC's employees and their families volunteer to participate in wall painting in face-to-face social contribution activities and we expect environmental improvement and co-prosperity with neighbors through talent donation, and internally increase cooperation and achievement.

Support Together – Health and Environment Performance

Performance

Year-end GC Donation and Pharmaceutical Donation

- KRW 200 million was donated to social welfare facilities and the Korean Red Cross to help neighbors at the end of the year to support vulnerable groups such as rare patients (GC Biopharma)
- Donations (KRW 100 million) for social welfare institutions across the country, helping the underprivileged and patients with rare diseases
- Donations (KRW 100 million) to the Korean Red Cross, which is carrying out disaster relief projects and various welfare programs for the elderly, the disabled, and children and adolescents
- We delivered 3,000 Novalac, premium baby formula 'stage1' 'stage2' to the underprivileged (GC Biopharma)
- We donated 2,000 to 'G-Foundation', a social welfare organization for the underprivileged and 1,000 to 'Wooyang Foundation'.
- Baby formula was delivered to the underprivileged such as single moms, single-parent families and children's facilities through network of each organization.

Blood Donation of Love

As a company specialized in manufacturing of blood plasma-derived products, we are conducting a 'Blood Donation of Love' to contribute to the national blood donation project.

- Three times a year, delivery of blood donation cards donated to patients. As of 2022, 211 GC employees and executives participated in this event. (As of June 2022, 107 and as of Dec, 2022, 104)

 \cdot Awarded a plaque of appreciation by the Korean Red Cross (June 2022)



GC Plogging

- We have performed 'GC Plogging', environmental protection activities since 2021.
- Plogging is a combination of Swedish word 'plocka up' English word 'jogging', an environmental protection movement that picks up trash while iogging
- Aim to protect the environment, to promote health, and to make donation through plogging activities.



- As of 2022, 213 GC employees' participation and a donation of KRW 11million

New Program 'Environmental Protection Reaction'

- We have performed active social contribution activities by employees called 'Environmental Protection Reaction' since 2022.
- We participate in environmental protection with three reactions such as Remind(Rethink), Reduce(Reuse) and Recycle etc.
- 'Remind(Rethink)' stage: Re-consider environmental awareness, protection activities.
- 'Reduce(Reuse)' stage: Reuse of containers and reduction in usage of disposables
- 'Recycle' stage: Make recycling a part of daily lives.
- Encourage participation in environmental pledges, reducing use of disposable products, and recycling properly by writing a pledge for environmental protection
- After we complete environmental protection reaction, we raised a donation which are given to those vulnerable to environmental contamination
- As of 2022, we raised a donation of KRW 8 million.



Social Contribution- Public Foundation

MOGAM Mogam Institute for Biomedical Research

The Mogam Institute for Biomedical Research (MIBR) is a public foundation established in May 1984
 Its purpose is to build a foundation for sustainable research environment in biotechnology and to contribute to the development of science and technology through research progress made in the field of biotechnology. Through the research progress, revenue has been created and used in contribution to society and to invest back into research. This led to our achievements in development of medicines and vaccines for prevention, diagnosis and treatment of diseases.

- We do our best to develop new drugs so that we contribute to society and better health of humankind
- Achievements in development of medicines and vaccines which are world's first vaccine for hemorrhagic fever with renal syndrome, world's second varicella vaccine, quadrivalent flu vaccine, and the treatment of neutropenia

• As we develop new drug research with AI technology, we try to hire relevant experts and actively cooperate with academics, industries and relevant parts

^O_목암고학장학재단 Mogam Science Scholarship Foundation

• The Mogam Science Scholarship Foundation was established in 2005 for supporting young scientist, and began the scholarship project since 2006.

We select scholarship recipients with financial difficulties from international students, researchers and university students from freshmen to senior majoring in the field of medicine, engineering, and science who are Korean citizen. We plan to operate various scholarships which meet social change.
We have funded a total of KRW 4.38 billion worth of scholarships and research funds to a total of 424 people on a cumulative basis until 2021.

Main Business

| Class | ification | Contents |
|-------------------------|-----------------------|--|
| Overseas Scholarship | Target | Scholars with confirmed acceptance to overseas universities (in bachelor's degree, master's degree, PhD, or post-doctoral researchers) or currently attending who holds Korean citizenship |
| | Scholarship Amount | About USD 10,000 per person |
| Domestic Scholarship | Target | Undergraduate students attending selected universities in Korea in the current year(Those who meet qualifications) |
| | Scholarship Amount | KRW 10 million per person |

🖉 णसपहेलार Future Foundation of Korea

- Future Foundation of Korea is a public foundation established in 2009
- It operates scholarship project and to help North Korean refugees grow into leaders in the era of unification with a passion for learning and hope for the future
- · Performance as of 2022
- [Scholarship] Total of 270 recipients of scholarship (cumulated from 2011 ~ 2022), Funded scholarship at KRW 3.34 billion
- [Mental and physical healthcare] Total of 2,719 hours, total of 993 helps
- [Support in job search] Total training 2,100 hours, 95 recipients
- [Study on settlement improvement] Four academic research achievements (2014~2022)

Main Business

| Classificatio | on | Contents |
|------------------------------------|----------|---|
| Scholarship | Target | Granted for university students (From 1st year to 4th year) who are North Korean refugee |
| | Supports | Scholarship, Education, Coaching, Counseling, etc |
| Mental and Physical | Target | Care provided for students and adults who are North Korean refugees |
| Healthcare | Supports | Scholarship includes school visits, professional psychological counselling and comprehensive health checkups |
| Support in Job Search | Target | Supports provided for North Korean refugees in the local communities |
| | Supports | Training on starting business and vocational competency |
| Study on Settlement Improvement | Supports | Studies for innovative settlement supporting business Supports for research projects discovery and academic research funds |

APPENDIX

- 125 GRI Standards 2021 Index
- 128 SASB Index
- 133 TCFD Index
- 134 Third-Party Assurance Statement
- 135 Assurance Statement on GHG Emissions
- 135 Initiative

<> GC

GRI STANDARDS 2021 INDEX

GC Group

| Classification | GRI Standards 2021 | Remark | | | |
|-------------------|---------------------------------|--|--|--|--|
| GRI 1: Foundation | Evidence of actual use | GC Group reports information from Jan, 1, 2022 to Dec, 31, 2022 in accordance with GRI Standards 2021. | | | |
| | Used GRI 1 | GRI 1: Foundation 2021 | | | |
| | Applicable GRI Sector Standards | As of Aug, 2023, SOP for Pharmaceuticals Sector applicable to GC Group was not published. | | | |

| Classification | | Index | Reporting page |
|---------------------------------------|------|--|---------------------|
| GRI 2: General Disclosures | 2-1 | Organizational details | р. 80 |
| (The Organization and Its | 2-2 | Entities included in the organization's sustainability reporting | р. 80 |
| Reporting Practices) | 2-3 | Reporting period, frequency and contact point | р. 80 |
| | 2-4 | Restatements of information | р. 80 |
| | 2-5 | External assurance | р. 80 |
| | 2-6 | Activities, value chain and other business relationships | р. 80 |
| GRI 2: General Disclosures | 2-7 | Employees | р. 80 |
| Activities and Workers) | 2-8 | Workers who are not employees | р. 80 |
| GRI 2: General Disclosures | 2-9 | Governance structure and composition | pp. 81-82 |
| (Governance) | 2-10 | Nomination and selection of the highest governance body | р. 82 |
| | 2-11 | Chair of the highest governance body | p. 82 |
| | 2-12 | Role of the highest governance body in overseeing the | |
| | | management of impacts | p. 83 |
| | 2-13 | Delegation of responsibility for managing impacts | p. 83 |
| | 2-14 | Role of the highest governance body in sustainability reporting | p. 83 |
| | 2-15 | Conflicts of interest | p. 82 |
| | 2-16 | Communication of critical concerns | p. 82 |
| | 2-17 | Collective knowledge of the highest governance body | p. 82 |
| | 2-18 | Evaluation of the performance of the highest governance body | p. 83 |
| | 2-19 | Remuneration policies | p. 83 |
| | 2-20 | Process to determine remuneration | p. 83 |
| | 2-21 | Annual total companyation ratio | Confidential and no |
| | | Annual total compensation ratio | disclosure |
| GRI 2: General Disclosures | 2-22 | Statement on sustainable development strategy | р. 23 |
| (Strategy, Policies and Practices) | 2-23 | Policy commitments | р. 23 |

| Classification | | Index | Reporting page |
|---|-------|--|---|
| GRI 2: General Disclosures | 2-24 | Embedding policy commitments | р. 23 |
| (Strategy, Policies and | 2-25 | Processes to remediate negative impacts | p. 54 |
| Practices) | 2-26 | Mechanisms for seeking advice and raising concerns | p. 54 |
| | 2-27 | Compliance with laws and regulations | р. 85 |
| | 2-28 | Membership associations | рр. 85-86 |
| GRI 2: General | 2-29 | Approach to stakeholder engagement | p. 88 |
| Disclosures (Stakeholder Engagement) | 2-30 | Collective bargaining agreements | p. 88 |
| GRI 3: Material Topics 2021 | 3-1 | Process to determine material topics | р. 24 |
| | 3-2 | List of material topics | p. 24 |
| | 3-3 | Management of material topics | p. 27, 40, 53, 65 |
| GRI 201: Economic | 201-1 | Direct economic value generated and distributed | рр. 89-90 |
| Performance 2016 | 201-2 | Financial implications and other risks and opportunities due to climate change | p. 68, 70, 73 |
| | 201-3 | Defined benefit plan obligations and other retirement plans | р. 91 |
| | 201-4 | Financial assistance received from government | Refer to each affiliate's business report for governmental subsidy for R&D cost (GC (Holding Company) 57th Business Report p. 64, GC Biopharma's 54th Business Report p. 50, GC Cell 's 12thBusiness Report p. 29) |
| GRI 202: Market Presence 2016 | 202-1 | Ratios of standard entry level wage by gender compared to local minimum wage | р. 88 |
| | 202-2 | Proportion of senior management hired from the local community | GC (Holding Company) & GC Biopharma: 100%, GC Celll: 75% (Based on Korean) |
| GRI 203: Indirect | 203-1 | Infrastructure investments and services supported | рр. 91-92 |
| Economic Impacts 2016 | 203-2 | Significant indirect economic impacts | рр. 91-92 |
| | | | |

GRI STANDARDS 2021 INDEX

GC Group

| Classification | | Index | Reporting page |
|--|-----------|--|--|
| GRI 204: Procurement | 204-1 | Proportion of spending on local suppliers | р. 93 |
| Practices 2016 | | | |
| Prevention of Unethical/Co | orrupt Be | haviors | |
| GRI 3: Material Topics 2021 | 3-3 | Management of material topics | р. 53 |
| GRI 205: Anti-corruption | 205-1 | Operations assessed for risks related to corruption | p. 58, 61 |
| 2016 | 205-2 | Communication and training about anti-corruption policies and procedures | рр. 57-61 |
| | 205-3 | Confirmed incidents of corruption and actions taken | The number of corruption cases and legal actions identified during the reporting period of GC Group were all zero. |
| GRI 206: Anti-Competitive Behavior 2016 | 206-1 | Legal actions for anti-competitive behavior, anti-trust, and monopoly practices | p. 87 |
| GRI 207: Tax(2019) | 207-1 | Approach to tax | р. 93 |
| | 207-2 | Tax governance, control, and risk management | p. 87, 93 |
| | 207-3 | Stakeholder engagement and management of concerns | 5 p. 93 |
| | 207-4 | Country-by-country reporting | Based on the reporting scope of this report, GC Group is not eligible for overseas tax payment |
| GRI 301: Materials 2016 | 301-1 | Materials used by weight or volume | p. 94 |
| | 301-2 | Recycled input materials used | Raw materials (phospholipids) used in the |
| | 301-3 | Reclaimed products and their packaging materials | manufacture of GC Biopharma and GC Cell medicines are non-recyclable and recycled paper cannot be used for primary packaging materials in terms of safety considering characteristics of medicines |
| GRI 302: Energy 2016 | 302-1 | Energy consumption within the organization | p. 67, 70, 72 |
| | 302-2 | Energy consumption outside of the organization | GC (Holding Company), GC Biopharma and GC Cell do not calculate energy consumption outside of the organization |
| | 302-3 | Energy intensity | p. 67, 70, 72 |
| | 302-4 | Reduction of energy consumption | p. 67, 70, 72 |
| | 302-5 | Reductions in energy requirements of products and services | p. 67, 70, 72 |
| Environmental Pollutants | Emissior | 1 | |
| GRI 3: Material Topics 2021 | 3-3 | Management of material topics | р. 65 |
| GRI 303: Water and | 303-1 | Interactions with water as a shared resource | рр. 93-94 |
| Effluents 2018 | 303-2 | Management of water discharge-related impacts | pp. 93-94 |
| | 303-3 | Water withdrawal | рр. 93-94 |
| | 303-4 | Water discharge | рр. 93-94 |
| | 303-5 | Water consumption | pp. 93-94 |

| Classificatio | in | Index | Reporting page |
|------------------------------------|-------------|---|---|
| GRI 304: Biodiversity 2016 | 304-1 | Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas | N/A |
| | 304-2 | Significant impacts of activities, products and services on biodiversity | The GC Group supports the Nagoya Protocol on raw materials and use used in the manufacture of medicines, and complies with due process when disposing of waste, considering that environmental pollution caused by waste drugs can affect biodiversity |
| | 304-3 | Habitats protected or restored | N/A |
| | 304-4 | IUCN Red List species and national conservation list species with habitats in | |
| GHG Emission & Envir | onmental | Pollutants Emission | |
| GRI 3: Material Topics 2021 | 3-3 | Management of material topics | p. 65 |
| GRI 305: Emissions | 305-1 | Direct (Scope 1) GHG emissions | p. 67, 70, 72 |
| 2016 | 305-2 | Energy indirect (Scope 2) GHG emissions | p. 67, 70, 72 |
| | 305-3 | Other indirect (Scope 3) GHG emissions | GC (Holding Company), GC Biopharma and GC Cell are not target for Other indirect (Scope 3) GHG emissions |
| | 305-4 | GHG emissions intensity | p. 67, 70, 72 |
| | 305-5 | Reduction of GHG emissions | p. 67, 70, 72 |
| | 305-6 | Emissions of ozone-depleting substances (ODS) | GC does not produce ozone-depleting substances (ODS) |
| | 305-7 | Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions | p. 75, 76, 77 |
| Waste Emission | | | |
| GRI 3: Material Topics 2021 | 3-3 | Management of material topics | р. 65 |
| GRI 306: Waste 2020 | 306-1 | Waste generation and significant waste-related impacts | р. 77, 78 |
| | 306-2 | Management of significant waste-related impacts | р. 77, 78 |
| | 306-3 | Waste generated | р. 77, 78 |
| | 306-4 | Waste diverted from disposal | р. 77, 78 |
| | 306-5 | Waste directed to disposal | р. 77, 78 |
| Management of ESG R | lisks in th | e Supply Chain | |
| GRI 3: Material Topics 2021 | 3-3 | Management of material topics | р. 40 |
| GRI 308: Supplier Environmental | 308-1 | New suppliers that were screened using environmental criteria | р. 94 |
| Assessment 2016 | 308-2 | Negative environmental impacts in the supply chain and actions taken | р. 94 |
| GRI 401: Employment | | New employee hires and employee turnover | р. 98, 99 |
| 2016 | 401-2 | Benefits provided to full-time employees that are not provided to temporary or part-time employees | рр. 100-102 |
| | | Parental leave | рр. 101-102 |

GRI STANDARDS 2021 INDEX

GC Group

| Classificatio | n | Index | Reporting page |
|---|--------------|--|--|
| GRI 402: Labor Management Relations 2016 | 402-1 | Minimum notice periods regarding operational changes | GC Group uses joint labor-management conference and communication channels to share a change in systems etc. in real time with employees. |
| GRI 403: Occupational | 403-1 | Occupational health and safety management system | рр. 105-106 |
| Health and Safety 2018 | 403-2 | Hazard identification, risk assessment, and incident investigation | р. 107 |
| | 403-3 | Occupational health services | р. 107 |
| | 403-4 | Worker participation, consultation, and communication on occupational health and safety | p. 107 |
| | 403-5 | Worker training on occupational health and safety | р. 108 |
| | 403-6 | Promotion of worker health | р. 107 |
| | 403-7 | Prevention and mitigation of occupational health and safety impacts directly linked by business relationships | p. 107 |
| | 403-8 | Workers covered by an occupational health and safety management system | p. 105 |
| | 403-9 | Work-related injuries | р. 109-110 |
| | 403-10 | Work-related ill health | р. 109 |
| Nurturing Pharmaceu | tical/Bio Ta | alents | |
| GRI 3: Material Topics 2021 | 3-3 | Management of material topics | p. 27 |
| GRI 404: Training and | 404-1 | Average hours of training per year per employee | р. 35, 36, 39 |
| Education 2016 | 404-2 | Programs for upgrading employee skills and transition assistance programs | рр. 34-39 |
| | 404-3 | Percentage of employees receiving regular performance and career development reviews | р. 110 |
| GRI 405: Diversity and | 405-1 | Diversity of governance bodies and employees | рр. 112-114 |
| Equal Opportunity 2016 | 405-2 | Ratio of basic salary and remuneration of women to men | p. 111 |
| GRI 406: Non- discrimination 2016 | 406-1 | Incidents of discrimination and corrective actions taken | GC Group is not applicable to report this within the reporting period. |
| GRI 407: Freedom of Association and Collective Bargaining 2016 | 407-1 | Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk | GC Group is not applicable to report this within the reporting period. |
| GRI 408: Child Labor 2016 | 408-1 | Operations and suppliers at significant risk for incidents of child labor | GC Group is not applicable to report this within the reporting period. |
| GRI 409: Forced or Compulsory Labor 2016 | 409-1 | Operations and suppliers at significant risk for incidents of forced or compulsory labor | GC Group is not applicable to report this within the reporting period. |

| Classificatio | n | Index | Reporting page |
|--|-------------|--|---|
| GRI 410: Security Practices 2016 | 410-1 | Security personnel trained in human rights policies or procedures | GC Group's human rights policy is based on the 'GC Human Rights Charter' and replaces training on human rights policies and procedures by distributing human rights charter to executives and employees of all affiliates of GC Group, including security personnel |
| GRI 411: Rights of Indigenous Peoples 2016 | 411-1 | Incidents of violations involving rights of indigenous peoples | GC Group is not applicable to report this within the reporting period. |
| GRI 413: Local Communities 2016 | 413-1 | Operations with local community engagement, impact assessments, and development programs | Even though GC Group is not applicable to report this within its reporting period, we perform continuously monitoring for risk prevention. |
| | 413-2 | Operations with significant actual and potential negative impacts on local communities | Even though GC Group is not applicable to report this within its reporting period, we perform continuously monitoring for risk prevention. |
| Management of ESG R | isks in the | e Supply Chain | |
| GRI 3: Material Topics 2021 | 3-3 | Management of material topics | p. 40 |
| GRI 414: Supplier | 414-1 | New suppliers that were screened using social criteria | р. 94 |
| Social Assessment 2016 | 414-2 | Negative social impacts in the supply chain and actions taken | pp. 50-52, 94 |
| GRI 415: Public Policy 2016 | 415-1 | Political contributions | GC Group's political contribution during the reporting period is zero. |
| Strengthening Product | t Quality a | nd Patient Safety | |
| GRI 3: Material Topics 2021 | 3-3 | Management of material topics | p. 40 |
| GRI 416: Customer Health and Safety | 416-1 | Assessment of the health and safety impacts of product and service categories | p. 44, 48 |
| 2016 | 416-2 | Incidents of non-compliance concerning the health and safety impacts of products and services | p. 46, 49 GC Group 's non-compliance concerning the health and safety impacts of products and services during the reporting period is zero. |
| GRI 417: Marketing and Labeling 2016 | 417-1 | Requirements for product and service information and labeling | p. 46, 49 Refer to reporting page for GC Biopharma |
| | 417-2 | Incidents of non-compliance concerning product and service information and labeling | and GC Cell . GC (Holding Company)'s non-compliance of relevant regulations during the reporting |
| | 417-3 | Incidents of non-compliance concerning marketing communications | period . |
| GRI 418: Customer Privacy 2016 | 418-1 | Substantiated complaints concerning breaches of customer privacy and losses of customer data | GC Group has zero number of violation of relevant information security regulations during the reporting period. |

GC (Holding Company)

Accounting Metrics (Financial Sector, Asset Management & Custody Industries)

| Торіс | SASB Code | Index - Asset Management & Custody Activities | Unit | 2020 | 2021 | 2022 | Remark | |
|--|--------------|---|----------------|---|--|--|--|--|
| Transparent Information & Fair | FN-AC-270a.1 | (1) Number and (2) percentage of covered employees with a record of investment-related investigations, consumer-initiated complaints, private civil litigations, or other regulatory proceedings | , | (1) 0,(2) 0 | (1) 0,(2) 0 | (1) 0,(2) 0 | We have zero number of lawsuits . | |
| Advice for Customers | FN-AC-270a.2 | Total amount of monetary losses as a result of legal proceedings associated with marketing and communication of financial product related information to new and returning customers and operating assets | KRW million | 0 | 0 | 0 | | |
| | FN-AC-270a.3 | Description of approach to informing customers about operating assets, products and services | N/A | Refer to 'Shareholde | r-Friendly Policy' in p. | 84 | | |
| Employee Diversity & Inclusion | FN-AC-330a.1 | Percentage of gender and racial/ethnic group representation for (1) executive management, (2) non- executive management, (3) professionals, and (4) all other employees | % | Male 100, Female 0, Male 100, Female 0, Male 5.8, Female 22.7, Male 73.3, Female26.7 | Male 100, Female 0, Male 100, Female 0, Male 4.0, Female 21.3, Male 67.8, Female 32.2 | Male 100, Female 0, Male 100, Female 0, Male 5.9, Female 18.0, Male 62.6, Female 37.4 | (3) Professionals are for those who hold qualifications such as lawyers, accountants, and Ph.D | |
| Incorporation of Environmental, | FN-AC-410a.1 | Amount of assets under management, by asset class, that employ (1) integration of environmental, social, and governance (ESG) issues, (2) sustainability themed investing, and (3) screening | KRW million | 0 | 0 | 0 | We do not possess the applicable asset. | |
| Social, and Governance | FN-AC-410a.2 | Description of approach to incorporation of environmental, social, and governance (ESG) factors in investment and/or wealth management processes and strategies | N/A | Not Applicable. | | | | |
| Factors in Investment Management & Advisory | FN-AC-410a.3 | Description of proxy voting and investee engagement policies and procedures | _ | Refer to 'Shareholder-Friendly Policy' in p. 84 | | | | |
| Business Ethics | FN-AC-510a.1 | Total amount of monetary losses as a result of legal proceedings associated with fraud, insider trading, anti-trust, anti-competitive behavior, market manipulation, malpractice, or other related financial industry laws or regulations | KRW million | 0 | 0 | 0 | We have zero number of lawsuits . | |
| | FN-AC-510a.2 | Description of whistleblower policies and procedures | N/A | Refer to 'Protection of | of Reporters' in p. 54 | | | |
| Risk Management | FN-AC-550a.1 | Percentage of open-end fund assets under management by category of liquidity classification | % | 0 | 0 | 0 | We do not possess | |
| System | FN-AC-550a.2 | Description of approach to incorporation of liquidity risk management programs into portfolio strategy and redemption risk management | N/A | Refer to 'Risk Respo | nse' in p. 87 | | applicable funds and products. | |
| | FN-AC-550a.3 | Total exposure to securities financing transactions | KRW | 0 | 0 | 0 | | |
| | FN-AC-550a.4 | Net exposure to written credit derivatives | million | 0 | 0 | 0 | | |

Activity Metrics

| Торіс | SASB Code | Index - Asset Management & Custody Activities | Unit | 2020 | 2021 | 2022 | Remark |
|-------|-------------|---|----------------|------------------------|------------------------|------------------------|--------|
| - | FN-AC-000.A | [1] Total registered and (2) total unregistered assets under management (AUM) | KRW million | (1) 3,241,202 (2) 0 | (1) 3,496,834 (2) 0 | (1) 3,592,061 (2) 0 | - |
| | FN-AC-000.B | Total assets under custody and supervision | | 0 | 0 | 0 | - |

GC Biopharma

Accounting Metrics (Healthcare, Biotechnology & Pharmaceuticals)

| Торіс | SASB Code | Index- Biotechnology & Pharmaceuticals | Unit | 2020 | 2021 | 2022 | Remark |
|-----------------------------|------------------|---|------------------|--|---------------------------|-----------------------------|--|
| Safety of Clinical Trial | | Discussion, by world region, of management process for ensuring quality and patient safety during clinical trials | N/A | Refer to 'Strengt | hening Product Qualit | y and Patient Safety' in p. | 41-46 |
| Participants | HC-BP-210a.2 | Number of FDA Sponsor Inspections related to clinical trial management and pharmacovigilance that resulted in: (1) Voluntary Action Indicated (VAI) and (2) Official Action Indicated (OAI) | Unit | (1) 0, (2) 0 | (1) 0, (2) 0 | (1) 0, (2) 0 | N/A |
| | HC-BP-210a.3 | Total amount of monetary losses as a result of legal proceedings associated with clinical trials in developing countries | KRW million | 0 | 0 | 0 | We have zero number of lawsuits |
| Access to Medicines | HC-BP-240a.1 | Description of actions and initiatives to promote access to health care products for priority diseases and in priority countries as defined by the Access to Medicine Index | N/A | Refer to 'Policy for | or Strengthening Acce | ess to Medicines' pp. 28-29 | |
| | HC-BP-240a.2 | List of products on the WHO List of Prequalified Medicinal Products as part of its Prequalification of Medicines Programme (PQP) | - | None of our proc | lucts is registered in th | his applicable system. | |
| Affordability & Pricing | HC-BP-240b.1 | Number of settlements of Abbreviated New Drug Application (ANDA) litigation that involved payments and/or provisions to delay bringing an authorized generic product to market for a defined time period | Times | 0 | 0 | 0 | We have zero number of lawsuits |
| 5 | HC-BP-240b.2 | Percentage change in: (1) average list price and (2) average net price across U.S. product portfolio compared to previous year | % | 0.1 | 0.9 | 3.6 | This is based on our internal and external major sales record an refer to 54th Business Report |
| | HC-BP-240b.3 | Percentage change in: (1) list price and (2) net price of product with largest increase compared to previous year | - | - | - | - | Confidential and no disclosure |
| Drug Safety | HC-BP-250a.1 | List of products listed in the Food and Drug Administration's (FDA) MedWatch Safety Alerts for Human Medical Products database | N/A | None of our products is registered in this applicable system. | | | |
| | HC-BP-250a.2 | Number of fatalities associated with products as reported in the FDA Adverse Event Reporting System | Persons | N/A | N/A | N/A | N/A |
| | HC-BP-250a.3 | Number of recalls issued, total units recalled | Cases, Number | N/A | N/A | N/A | _ |
| | HC-BP-250a.4 | Total amount of product accepted for take back, reuse, or disposal | Number | N/A | N/A | N/A | |
| | HC-BP-250a.5 | Number of FDA enforcement actions taken in response to violations of current Good Manufacturing Practices (cGMP), by type3 | N/A | We have zero violation and N/A | | | |
| Counterfeit Drugs | HC-BP-260a.1 | Description of methods and technologies used to maintain traceability of products throughout the supply chain and prevent counterfeiting | | Refer to 'Policy on the Responsible Marketing of Medicines' in p. 46 | | | |
| | HC-BP-260a.2 | Discussion of process for alerting customers and business partners of potential or known risks associated with counterfeit products | | Refer to 'Policy on the Responsible Marketing of Medicines' in p. 46 | | | 46 |
| | HC-BP-260a.3 | Number of actions that led to raids, seizure, arrests, and/or filing of criminal charges related to counterfeit products | Cases | 0 | 0 | 0 | N/A |
| Ethical Marketing | HC-BP- 270a.1 | Total amount of monetary losses as a result of legal proceedings associated with false marketing claims | N/A | We have zero nu | mber of lawsuits and f | financial loss amount is ze | ero. |
| | HC-BP- 270a.2 | Description of code of ethics governing promotion of off-label use of products | - | Refer to 'Ethical | Management Policy' i | n p. 55 | |

GC Biopharma

Accounting Metrics (Healthcare, Biotechnology & Pharmaceuticals Industries)(Cont'd)

| Торіс | SASB Code | Index- Biotechnology & Pharmaceuticals | Unit | 2020 | 2021 | 2022 | Remark | |
|----------------------------|---|--|------|--|--------------------------|--|--|--|
| Employee Recruitment, | HC-BP-330a.1 | Discussion of talent recruitment and retention efforts for scientists and research and development personnel | N/A | Refer to 'Nurturing F Maintenance of Tale | | perts' in p. 35-37 and ' | Securing and | |
| Development & Retention | HC-BP-330a.2 | (1) Voluntary and (2) involuntary turnover rate for: (a) executives/senior managers, (b) mid level managers, (c) professionals, and (d) all others | % | (1) 5.2 -(a) 0.1,(b) 0.1, (c) 1.7, (d) 3.3, (2) 0.1 -(a) 0, (b) 0, (c) 0.1, (d) 0 | 0.4,(c) 2.6, (d) 3.3, | (1) 5.6 -(a) 0.3, (b) 0.3,(c) 2.5, (d) 2.6, (2) 0.3 -(a) 0, (b) 0.0, (c) 0.3, (d) 0 | Calculated value based on the total number of executives and employees | |
| Supply Chain Management | HC-BP-430a.1 | Percentage of (1) entity's facilities and (2) Tier I suppliers' facilities participating in the Rx-360 International Pharmaceutical Supply Chain Consortium audit program or equivalent third party audit programs for integrity of supply chain and ingredients | % | (1) 0, (2) 0 | (1) 0, (2) 0 | (1) 0, (2) 0 | For supply chain safety, we have signed GDP certification, safety information exchange agreements, and drug monitoring agreements to manage and monitor our supply chain safety | |
| Business Ethics | HC-BP-510a.1 Total amount of monetary losses as a result of legal proceedings associated with corruption and bribery | | N/A | We have zero numbe | er of lawsuits and finar | ncial loss amount is zei | °0. | |
| | HC-BP-510a.2 Description of code of ethics governing interactions with health care professionals | | | Refer to 'Ethical Management Policy' in p. 55 | | | | |

1) Value that is re-calculated and reflected as a change in calculation method (variable based on the total number of executives and employees' parameters)

Activity Metrics

| | Торіс | SASB Code | Index- Biotechnology & Pharmaceuticals | Unit | 2020 | 2021 | 2022 | Remark |
|---|-------|-------------|---|---------|----------------|----------------|----------------|---|
| - | | HC-BP-000.A | Number of patients treated | Persons | N/A | N/A | N/A | Impossible to calculate and no disclosure |
| | | HC-BP-000.B | Number of drugs (1) in portfolio and (2) in research and development (Phases 1-3) | Number | (1) 96, (2) 15 | (1) 87, (2) 11 | (1) 83, (2) 11 | - |

GC Cell

Accounting Metrics (Healthcare, Biotechnology & Pharmaceuticals Industries)

| Торіс | SASB Code | Index- Biotechnology & Pharmaceuticals | Unit | 2020 | 2021 | 2022 | Remark |
|-----------------------------|--------------|---|------------------|---|----------------------------|--------------------------|-------------------------------------|
| Safety of Clinical Trial | HC-BP-210a.1 | (1) Number and (2) percentage of covered employees with a record of investment-related investigations, consumer-initiated complaints, private civil litigations, or other regulatory proceedings | N/A | Refer to 'Strength | ening Product Quality a | and Patient Safety' in p | . 47-49 |
| Participants | HC-BP-210a.2 | Total amount of monetary losses as a result of legal proceedings associated with marketing and communication of financial product related information to new and returning customers | Cases | (1) 0, (2) 0 | (1) 0, (2) 0 | (1) 0, (2) 0 | N/A |
| | HC-BP-210a.3 | Description of approach to informing customers about products and services | KRW million | 0 | 0 | 0 | We have zero number of lawsuits. |
| Access to Medicines | HC-BP-240a.1 | Percentage of gender and racial/ethnic group representation for (1) executive management, (2) non- executive management, (3) professionals, and (4) all other employees | N/A | Refer to 'Policy fo | r Strengthening Access | to Medicines' in p. 30 | |
| | HC-BP-240a.2 | Amount of assets under management, by asset class, that employ (1) integration of environmental, social, and governance (ESG) issues, (2) sustainability themed investing, and (3) screening | | None of our produ | ucts is registered in this | applicable list. | |
| Affordability & Pricing | HC-BP-240b.1 | Description of approach to incorporation of environmental, social, and governance (ESG) factors in investment and/or wealth management processes and strategies | Times | 0 | 0 | 0 | We have zero number of lawsuits. |
| | HC-BP-240b.2 | Description of proxy voting and investee engagement policies and procedures | % | N/A | N/A | N/A | N/A |
| | HC-BP-240b.3 | Total amount of monetary losses as a result of legal proceedings associated with fraud, insider trading, anti-trust, anti-competitive behavior, market manipulation, malpractice, or other related financial industry laws or regulations | _ | N/A | 0 | 0 | We sell single products. |
| Drug Safety | HC-BP-250a.1 | Description of whistleblower policies and procedures | N/A | None of our products is registered in this applicable list. | | | |
| | HC-BP-250a.2 | Percentage of open-end fund assets under management by category of liquidity classification | Persons | N/A | N/A | N/A | N/A |
| | HC-BP-250a.3 | Description of approach to incorporation of liquidity risk management programs into portfolio strategy and redemption risk management | Cases, Number | N/A | N/A | N/A | |
| | HC-BP-250a.4 | Total exposure to securities financing transactions | Number | N/A | N/A | N/A | |
| | HC-BP-250a.5 | Net exposure to written credit derivatives | N/A | We have zero viola | ation and N/A | | |
| Counterfeit Drugs | HC-BP-260a.1 | Description of methods and technologies used to maintain traceability of products throughout the supply chain and prevent counterfeiting | | N/A | | | |
| | HC-BP-260a.2 | Discussion of process for alerting customers and business partners of potential or known risks associated with counterfeit products | | N/A | | | |
| | HC-BP-260a.3 | Number of actions that led to raids, seizure, arrests, and/or filing of criminal charges related to counterfeit products | Cases | 0 | 0 | 0 | N/A |
| Ethical Marketing | HC-BP-270a.1 | Total amount of monetary losses as a result of legal proceedings associated with false marketing claims | N/A | We have zero num | nber of lawsuits and fin | ancial loss amount is z | zero. |
| | HC-BP-270a.2 | Description of code of ethics governing promotion of off-label use of products | | Refer to 'Ethical N | lanagement Policy' in p | o. 56 | |

GC Cell

Accounting Metrics (Healthcare, Biotechnology & Pharmaceuticals Industries)(Cont'd)

| Торіс | SASB Code | Index- Biotechnology & Pharmaceuticals | Unit | 2020 | 2021 | 2022 | Remark |
|----------------------------|--------------|--|------|---|--|--|--|
| Employee Recruitment, | HC-BP-330a.1 | Discussion of talent recruitment and retention efforts for scientists and research and development personnel | N/A | Refer to 'Nurturing F of Talents' in p. 98-99 | Pharmaceutical/Bio Ex | perts' p.38 and 'Secur | ing and Maintenance |
| Development & Retention | HC-BP-330a.2 | (1) Voluntary and (2) involuntary turnover rate for: (a) executives/senior managers, (b) mid level managers, (c) professionals, and (d) all others | % | (1) 22.5 ¹¹ -(a) 0, (b) 1, (c) 2, (d) 19, (2) 0 ¹¹ -(a) 0, (b) 0, (c) 0, (d) 0 | 1) 13.5 ¹⁾ -(a) 0.1, (b) 0.6, (c) 0.9, (d) 12, (2) 0 ¹⁾ -(a) 0, (b) 0, (c) 0, (d) 0 | (1) 21.2 -(a) 0.5, (b) 1.3, (c) 1.8, (d) 18 (2) 0 ¹¹ -(a) 0, (b) 0, (c) 0, (d) 0 | Calculated value based on the total number of executives and employees |
| Supply Chain Management | HC-BP-430a.1 | Percentage of (1) entity's facilities and (2) Tier I suppliers' facilities participating in the Rx-360 International Pharmaceutical Supply Chain Consortium audit program or equivalent third party audit programs for integrity of supply chain and ingredients | | (1) 100, (2) 100 | (1) 100, (2) 100 | (1) 100, (2) 100 | We manage safety of supply chain through MFDS GMP audit. |
| Business Ethics | HC-BP-510a.1 | Total amount of monetary losses as a result of legal proceedings associated with corruption and bribery | | We have zero number of lawsuits and financial loss amount is zero. | | ro. | |
| | HC-BP-510a.2 | Description of code of ethics governing interactions with health care professionals | | Refer to 'Ethical Man | agement Policy' in p. § | 56 | |

1) Value that is re-calculated and reflected as a change in calculation method (variable based on the total number of executives and employees' parameters)

Activity Metrics

| Торіс | SASB Code | Index- Biotechnology & Pharmaceuticals | Unit | 2020 | 2021 | 2022 | Remark |
|-------|-------------|---|--------|--------------|--------------|--------------|--|
| - | HC-BP-000.A | Number of patients treated | Person | - | 2,124 | 1,728 | Based on the number of patients injected with 'Immuncell-LC'. |
| | HC-BP-000.B | Number of drugs (1) in portfolio and (2) in research and development (Phases 1-3) | Number | (1) 0, (2) 2 | (1) 1, (2) 4 | (1) 1, (2) 3 | Detailed clinical information can be seen in Shortcut (3) |

TCFD INDEX

| Classification | TCFD's Recommendations | GC (Holding Company) | GC Biopharma | GC Cell |
|-----------------|---|--|--|--|
| Governance | a) Description of BOD's activities relevant to climate change risk and opportunities | pp. 86-87 BOD's management and supervision on high-risk environment/climate change | pp. 86-87 BOD's management and supervision on high-risk environment/climate change | pp. 86-87 BOD's management and supervision on high-risk environment/climate change |
| | b) Description of roles of the management to evaluate and manage risks and opportunities of climate change | pp. 86-87 The management got reports for risks and performed risk management and reported them to BOD | pp. 86-87 The management got reports for risks and performed risk management and reported them to BOD | pp. 86-87 The management got reports for risks and performed risk management and reported them to BOD |
| Strategy | a) Description of risks and opportunities of climate change in short-and-medium term | Refer to 'Climate change Risk Factors and Opportunities' p. 73 | Refer to 'Climate change Risk Factors and Opportunities' p. 68 | Refer to 'Climate change Risk Factors and Opportunities' p. 70 |
| | b) Description of impact of how climate change risks affect organization's business, strategies and financial plans | N/A | N/A | N/A |
| | c) Description of flexibility of strategies in consideration of various climate-related scenarios including 2°C or less scenarios | N/A | N/A | N/A |
| Risk Management | a) Description of process for identifying and evaluating climate change risks | p. 87 Refer to 'Risk Response Process' (Company-wide risks including climate change) | p. 87 Refer to 'Risk Response Process' (Company-wide risks including climate change) | p. 87 Refer to 'Risk Response Process' (Company-wide risks including climate change) |
| | b) Description of process to manage climate change risks | p. 87 Refer to 'Risk Response Process' (Company-wide risks including climate change) | p. 87 Refer to 'Risk Response Process' (Company-wide risks including climate change) | p. 87 Refer to 'Risk Response Process' (Company-wide risks including climate change) |
| | c) Description of how process for identifying, evaluating and managing climate change risks is integrated into risk management system | p. 87 Refer to 'Risk Response Process' (Company-wide risks including climate change) | p. 87 Refer to 'Risk Response Process' (Company-wide risks including climate change) | p. 87 Refer to 'Risk Response Process' (Company-wide risks including climate change) |
| Index and Goals | a) Disclosure of index to evaluate risks and opportunities of climate change | N/A | N/A | N/A |
| | b) Disclosure of emission amount of Scope 1, Scope 2 and Scope 3 (If applicable) | p. 72 Disclosure of Scope 1, Scope 2 | p. 67 Disclosure of Scope 1, Scope 2 | p. 70 Disclosure of Scope 1, Scope 2 |
| | c) Description of goals for managing risks, opportunities and performance of climate change | p. 71 Refer to 'Goals for Environmental Management/ Response to Climate Change' | p. 66 Refer to 'Goals for Environmental Management/ Response to Climate Change' | p. 69 Refer to 'Goals for Environmental Management/ Response to Climate Change' |

THIRD-PARTY ASSURANCE STATEMENT

Dear Management and Stakeholders of GC

Introduction

Korea Management Registrar (KMR) was commissioned by GC to conduct an independent assurance of its Sustainability Report (the "Report"). The data and its presentation in the Report is the sole responsibility of the management of GC. KMR's responsibility is to perform an assurance engagement as agreed upon in our agreement with GC and issue an assurance statement.

Scope and Standards

GC described its sustainability performance and activities in the Report. Our Assurance Team carried out an assurance engagement in accordance with the AA1000AS v3 and KMR's assurance standard SRV1000. We are providing a Type 2, moderate level assurance. We evaluated the adherence to the AA1000AP (2018) principles of inclusivity, materiality, responsiveness and impact, and the reliability of the information and data provided using the Global Reporting Initiative (GRI) Index provided below. The opinion expressed in the Assurance Statement has been formed at the materiality of the professional judgment of our Assurance Team.

Confirmation that the Report was prepared in accordance with GRI standards 2021 was included in the scope of the assurance. We have reviewed the topic-specific disclosures of standards which were identified in the materiality assessment process. • GRI Sustainability Reporting Standards 2021

- · Universal standards
- · Topic specific standards
- GRI 205 : Anti-corruption
- GRI 206 : Anti-competitive Behavior
- GRI 303 : Water and Effluents - GRI 305 : Emissions

- GRI 308 : Supplier Environmental Assessment - GRI 404 : Training and Education
- GRI 414 : Supplier Social Assessment
- GRI 416 : Customer Health and Safety

As for the reporting boundary, the engagement excludes the data and information of GCs' partners, suppliers and any third parties.

KMR's Approach

- GRI 306 : Waste

To perform an assurance engagement within an agreed scope of assessment using the standards outlined above, our Assurance Team undertook the following activities as part of the engagement:

· reviewed the overall Report;

 \cdot reviewed materiality assessment methodology and the assessment report;

 \cdot evaluated sustainability strategies, performance data management system, and processes;

 \cdot interviewed people in charge of preparing the Report;

 \cdot reviewed the reliability of the Report's performance data and conducted data sampling;

- assessed the reliability of information using independent external sources such as Financial Supervisory Service's DART and public databases.

Limitations and Recommendations

KMR's assurance engagement is based on the assumption that the data and information provided by GC to us as part of our review are provided in good faith. Limited depth of evidence gathering including inquiry and analytical procedures and limited sampling at lower levels in the organization were applied. To address this, we referred to independent external sources such as DART and National Greenhouse Gas Management System (NGMS) and public databases to challenge the quality and reliability of the information provided.

Conclusion and Opinion

KMR's assurance engagement is based on the assumption that the data and information provided by GC to us as part of our review are provided in good faith. Limited depth of evidence gathering including inquiry and analytical procedures and limited sampling at lower levels in the organization were applied. To address this, we referred to independent external sources such as DART and National Greenhouse Gas Management System (NGMS) and public databases to challenge the quality and reliability of the

information provided.

Inclusivity

GC has developed and maintained different stakeholder communication channels at all levels to announce and fulfill its responsibilities to the stakeholders. Nothing comes to our attention to suggest that there is a key stakeholder group left out in the process. The organization makes efforts to properly reflect opinions and expectations into its strategies.

Materiality

GC has a unique materiality assessment process to decide the impact of issues identified on its sustainability performance. We have not found any material topics left out in the process.

Responsiveness

GC prioritized material issues to provide a comprehensive, balanced report of performance, responses, and future plans regarding them. We did not find anything to suggest that data and information disclosed in the Report do not give a fair representation of GCs' actions.

Impact

GC identifies and monitors the direct and indirect impacts of material topics found through the materiality assessment, and quantifies such impacts as much as possible.

Reliability of Specific Sustainability Performance Information

In addition to the adherence to AA1000AP (2018) principles, we have assessed the reliability of economic, environmental, and social performance data related to sustainability performance. We interviewed the in-charge persons and reviewed information on a sampling basis and supporting documents as well as external sources and public databases to confirm that the disclosed data is reliable. Any intentional error or misstatement is not noted from the data and information disclosed in the Report.

Competence and Independence

KMR maintains a comprehensive system of quality control including documented policies and procedures in accordance with ISO/ IEC 17021-2015 - Requirements for bodies providing audit and certification of management systems. This engagement was carried out by an independent team of sustainability assurance professionals. KMR has no other contract with GC and did not provide any services to GC that could compromise the independence of our work.

> AA1000 Licensed Report 000-129/V3-WKZ0Y

June 2023 Seoul, Korea



CEO E. J Havay

ASSURANCE STATEMENT ON GHG EMISSIONS (GC BIOPHARMA)

Third Party's Verification Statement on 2022 GHG Emission Report [GC Biopharma]

Verification Target

Korean Foundation for Quality (hereinafter "KFQ") has conducted the verification of "2022 Report on Quantity of emitted Greenhouse gas and Energy Consumption"(hereinafter 'Inventory Report') for GC Biopharma.

Verification Scope

KFQ's verification was focused on all the facilities which emitted greenhouse gas during the year of 2022 under operational control and organizational boundary of GC Biopharma.

Verification Criteria

To conduct verification activities, verification team applied verification standards and guidelines. The standards and guidelines are as follows.

- Rules for emission reporting and certification of greenhouse gas emission trading scheme(Notification No.2022-279 of Ministry of Environment)
- \cdot Rules for verification of operating the greenhouse gas emission trading scheme(Notification No. 2021-112 of Ministry of Environment)
- · KS Q ISO 14064-1,2,3 : 2006

Verification Opinions

Based on verification process according to the Scheme, KFQ obtained reasonable basis to derive following conclusion on the GHG emission data in the Inventory Report.

- 1) The Inventory Report was documented in accordance with "Rules for emission reporting and certification of greenhouse gas emission trading scheme" and "KS Q ISO 14064-1,2,3 : 2006" run by the government.
- 2) The result of Material discrepancy satisfied the criteria for an organization that emits less than 500,000 tCO₂eq shall not exceed 5% from total emission as per "Rules for verification of operating the greenhouse gas emission trading scheme"
- 3) In 2022 GC Biopharma's GHG emission Report, no significant errors, omissions, or inappropriate matters were found except for emission sources that were not considered in the relevant GHG gas calculation guidelines.
- 4) Thus, KFQ concludes that following emissions data are correctly calculated and stated.

| Year | GHG Emissions | | | | | | |
|------|-------------------------------|---------|---------|--------|--|--|--|
| | Plant | Scope 1 | Scope 2 | Total | | | |
| | Ochang | 5,009 | 36,703 | 41,712 | | | |
| | Hwasun | 5,504 | 12,437 | 17,941 | | | |
| 2022 | Eumseong | 792 | 1,467 | 2,259 | | | |
| | Headquarter etc. (R&D center) | 1,069 | 3,872 | 4,939 | | | |
| | Total | 12,374 | 54,480 | 66,851 | | | |

*Note: Total emission is calculated as round down below the decimal point.

April 24th, 2023

(Unit: ton CO₂-eq)

Ji Young Song

CEO **Ji-Young Song** Korean Foundation for Quality (KFQ)

INITIATIVE

GC (Holding Company)

| | Classification | 2020 | 2021 | 2022 |
|------|-----------------------|------|------|------|
| KCGS | ESG Integrated Rating | В | B+ | B+ |
| | Environmental Rating | CCC | B+ | В |
| | Social Rating | B+ | B+ | А |
| | Governance Rating | В | B+ | B+ |
| MSCI | | CCC | 000 | CCC |

GC Biopharma

| | Classification | 2020 | 2021 | 2022 | |
|------|-----------------------|------|------|------|--|
| KCGS | ESG Integrated Rating | B+ | B+ | B+ | |
| | Environmental Rating | В | B+ | В | |
| | Social Rating | А | B+ | A | |
| | Governance Rating | В | B+ | В | |
| MSCI | | В | CCC | CCC | |

GC Cell

| Classifie | cation | 2020 | 2021 | 2022 |
|-----------|-----------------------|------|------|------|
| KCGS | ESG Integrated Rating | С | С | B+ |
| | Environmental Rating | D | D | В |
| | Social Rating | В | С | A |
| | Governance Rating | В | В | B+ |
| MSCI | | 000 | 000 | 000 |