

The core of the BIO industry

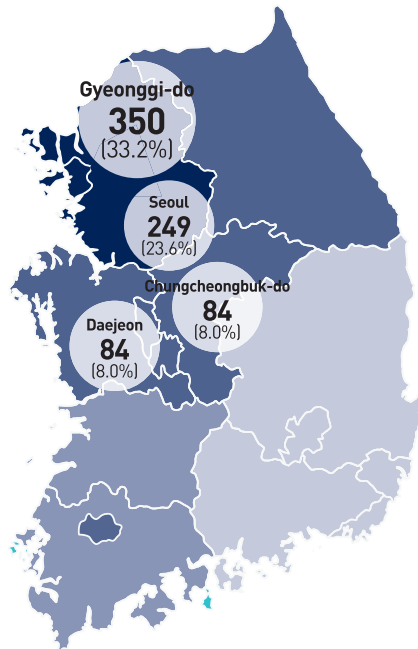
KoreaBio

# Korea BIO Industry

※ Based on the bioindustry classification code [KS J 1009], which has been established and revised as the standard for the scope and definition of the Korea bioindustry, an annual complete enumeration survey is planned to be conducted among companies that do research and development or produce products and services based on biotechnology.

## Location

As of 2021, there are 1,055 bio companies in South Korea; as for bio-related sites (in order of factories > research centers > headquarters), 350 sites are located in Gyeonggi-do and 249 in Seoul, indicating that the majority of them are distributed in the Seoul/Gyeonggi area.

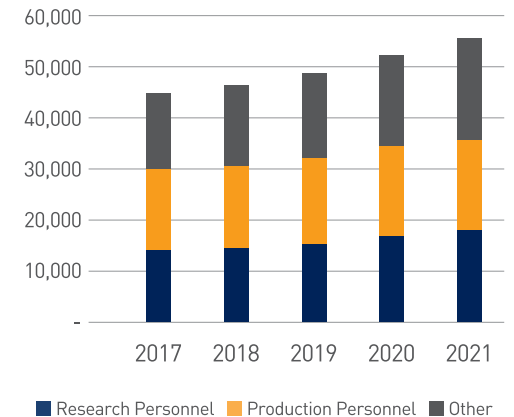


## Manpower

As of 2021, the number of employees working in 1,055 Korea biotech is 55,618, which represents an increase of 3,321 compared to that in 2020.

- Bioindustry manpower consists of 17,908 (32.2%) research personnel, 17,867 production personnel (32.1%), and 19,843 (35.7%) other personnel, who are involved in sales and management.

Changes in Manpower by Job between 2017 and 2021

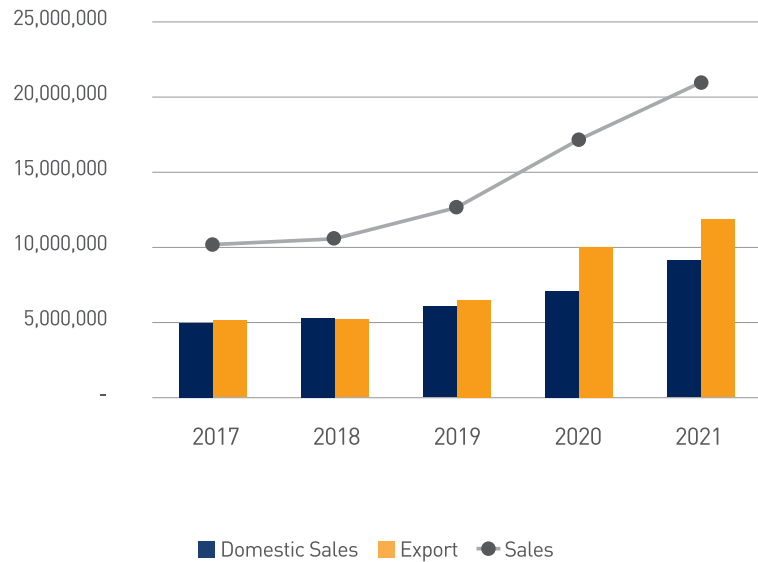


## Supply and Demand Status

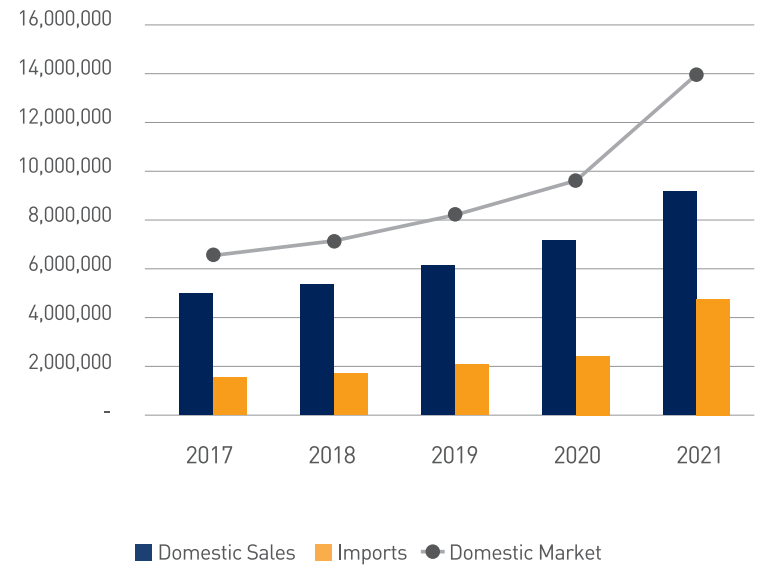
The total size of the supply and demand for the domestic bioindustry in 2021 was KRW 25,767.6 billion, an increase of KRW 6,138.7 billion (31.3%) from the previous year. The sales amounted to KRW 20,998.3 billion (81.5%), and the imports amounted to KRW 4,769.2 billion (18.5%).

The domestic market size was KRW 13,907.7 billion (54.0%), and the exports amounted to KRW 11,859.9 billion (46.0%).

### Changes in Sales between 2017 and 2021



### Changes in the Domestic Market between 2017 and 2021



# KoreaBIO

KoreaBio a representative organization in the bioindustry field according to Article 38 of the Industrial Development Act of the Ministry of Trade, Industry, and Energy—seeks to solidify the ties in the bioindustry, revitalize related companies by playing a central role in promoting technological development and industrialization, strengthen international competitiveness, and therefore contribute to the development of the national economy.

40+

YEARS

620+

MEMBERS

- **1982.03** Establishment of Korea Genetic Engineering Research Association (Chief director. Chung Ju-yung)
- **1991.11** Establishment of BioIndustry Association Korea (President. Wan-gyu Cho, Chief director. Huh Young-seop)
- **2000.07** Establishment of Korea Bio-Venture Association (President. Han Moon-hee)
- **2008.01** Launch of Korea Biotechnology Industry Organization (KoreaBio)
- **2021.01~** The 7th President was elected (President. Christopher Hansung Ko)

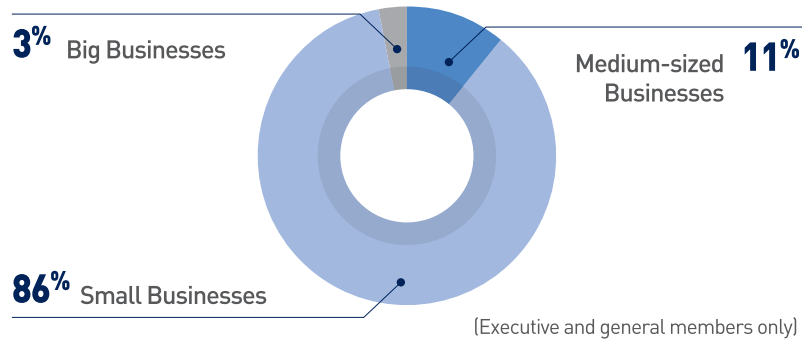


KoreaBIO is the only organization in Korea that has all colors of biotech (Red, Green, White, etc.) as its members.

## A Fast Growing Industry Organization

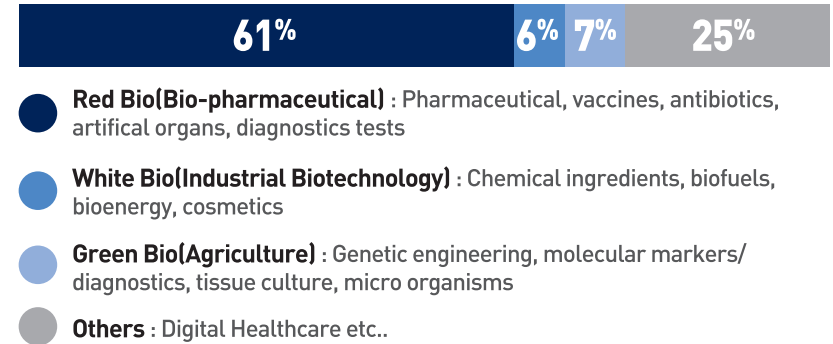
### With 451 Companies

(May 2023)



### Members by Subsector

(May 2023)



## Executive members

<b>President</b>	<b>SAMSUNG BIOEPIS</b>	<b>Chairman</b>	<b>DAESANG</b>
<b>Vice President</b>	CJ CHEILJEDANG	GS Caltex	SK bioscience
	CELLTRION	CELL BIOTECH	Ahngook pharm.
	SD BIOSENSOR	CKD Pharm.	Genematrix
	KANG STEM BIOTECH	NEXGEN <sup>®</sup> THE ANTI-AGING	GC
	DONG-A ST	Humanizing Genomics macrogen	BIONEER
	Biototech	BORYUNG	HANMI Global-R&D Leader Hanmi Pharm.
	HANALL BIOPHARMA		
<b>Director</b>	DAEWONC	Dx&Vx	LCB
	SCM Lifescience	ablbio	ENZYCHEM LIFESCIENCES
	WOOJUNGBIO	YUHAN	ISU ABXIS
	ILDONG	Genexine	CHA BioTech
	PHARMICELL	PEPTOP	PRECISION BIOSENSOR
	HELIUMITH		
<b>Auditor</b>	DYNE BIO INC.		

# What We Do

## 01 Government Relations



Government affairs to contribute to a business-friendly regulatory environment



Bridging government and Korean biotech

## 03 Research&Analysis

KoreaBIO manages the Korea Bio-Economy Research Center and plays the role of a 'Think Tank' to spread the changes in the bio industry in the long term.

**Publish industry trend reports through Bio Economy Brief / Report**

**Operate KBIOIS (Korea Bio Industry Information Service) website**



**Issue analysis and statistical research of Korean Biotechnology Industry**

**Plan and conduct consortium R&D projects for government ministries**

## 02 Policy Support



Hosting expert meeting on bio-policy and industry issues to respond and derive policy implications



Implementation and promotion of the Biological Weapons Convention (BWC) in Korea

## 04 Industrial Council Management

KoreaBIO is focusing on revitalizing the bio industry as a whole by gathering voices from each field of the bio industry.



Korea Genome Industry Council



Korea Microbiome Drug Development Council



Bioindustry Cooperation Agency for Whitebio



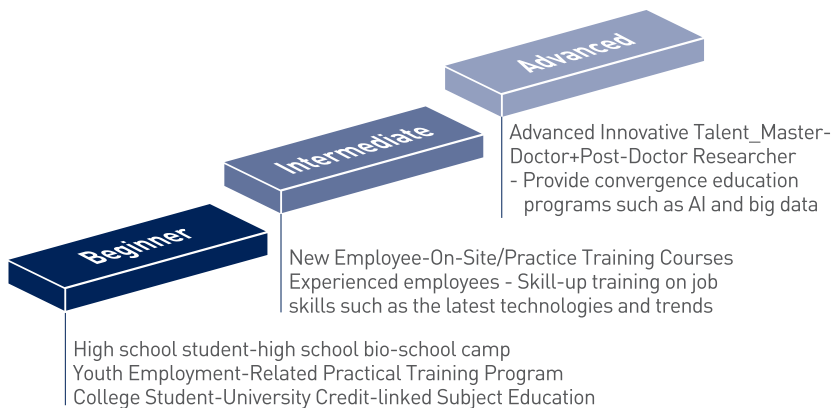
Korean In Vitro Diagnostics Committee



Bioindustry Alliance and Cooperation Council for Materials, Components and Equipments

## 05 Academic programs

KoreaBIO operates a customized human resource training program called "Bio Academy" to train experts in the bio field.



## 07 Global programs

KoreaBIO operates a program called "Global Mingle" which provides support for collaboration and network building to facilitate the global expansion of Korean biotech companies.

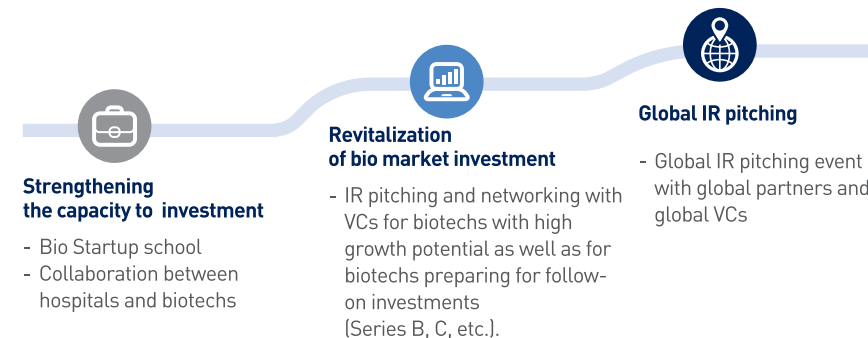
<p><b>Global Networking/ IR Events</b></p> <p>Events to attract investment with marketing of Korean companies during major bio events; BIO International Convention, JPM Healthcare conference</p>	<p><b>Korea Pavilion</b></p> <p>Showcasing the Korea bio industry at international convention such as BIO International Convention</p>
<p><b>BIOPLUS INTERPHEX KOREA</b></p> <p>Comprehensive convention to support the commercialization of bio-technology and to expand the business globally</p>	<p><b>Open Innovation Challenge</b></p> <p>Exploring ways to cooperate with bio companies in Korea and multinational pharmaceutical companies through open innovation</p>

**Global Business Training Courses**

Seminar on country-specific market entry strategies and enhancing sector-specific trade competence

## 06 Start-up programs

KoreaBIO operates a customized support program for each stage of growth of biotechs from the beginning of the start-up called "Venture Playground" to the listing of companies.



## 08 Communication

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