



Corporate Presentation

Q1 2022



www.genovior.com.tw



Leadership Team



Dr. Steve J. P. HSU

(Chairman and CEO)

Over 30 years in Pharma Industry

Founder of Savior Lifetec Corporation, VP of RD,

ScinoPharm Taiwan, Sr. Engineer of Merck & Co., Inc.

Ph.D. ChE, Massachusetts Institute of Technology, USA

Mr. Kai-Der KO

(Chief Strategy Officer)

Over 25 years in Hi-Tech & Biotech Industry.
Researcher, Taiwan Biotech Co., Ltd.,
EMBA, National Chengchi University,
M.S. in Pharmacy, College of Medicine, National Taiwan
University

Mr. Wen-Hsien CHEN

(Vice President of Quality Systems)

Over 20 outstanding years of experience in Pharmaceutical Industry. Master degree of Chemical Engineering from the Cleveland State University in Ohio, USA

Dr. Sam CHANG

(Sr. Director of Quality Management Center)

Over 30 years in Pharma/Biotech Industry **Pfizer** Biotech Corporation, Maxigen Biotech Inc., Scinopharm Taiwan, **Sandoz/Novartis** Pharmaceuticals,

Ph.D. Chemistry, University of Missouri-Rolla, USA

Mr. Gary Wong

(Quality Center Director/ Head of QA, Zhunan site)

Over 27 years in Pharma/Biotech Industry
Rich experience in MAA and MAH inspections, such as Taiwan FDA, US FDA,
EU QP (Germany, UK...etc.), KFDA, PMDA, France IPSEN, US Thermo Fisher,

Canada Baxter, SQA, UniLab, etc.

Quality Management Director, Centapharm Healthcare Group

Dr. Toby Fan

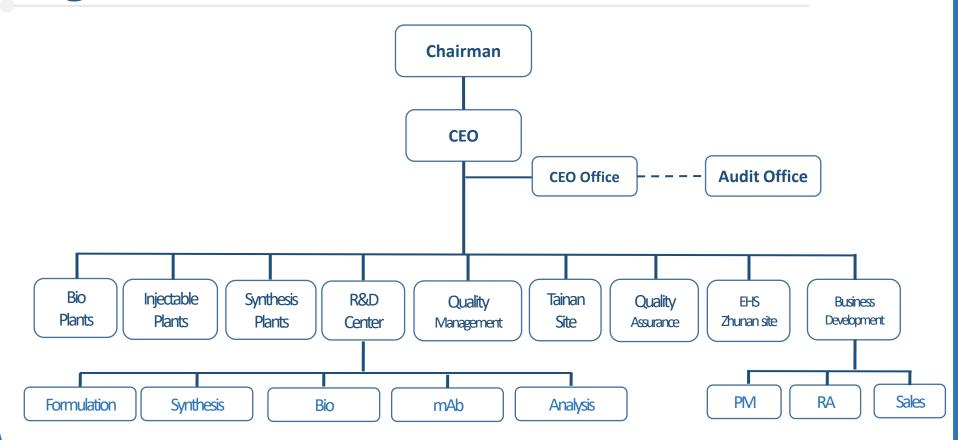
(Associate Director, Head of PM Department)

Over 15 years of relevant experience in the biotech/pharmaceutical industry. Focus on CDMO/CMO business,

Ph.D., Chemistry from National Tsing Hua University

Organization





Milestone





Additional mAb RD Lab **Additional Bio/Peptide Plant Additional Oncology API/Injectables Plant Additional Multi-purpose Injectables Plant**

mAb RD Lab

2019

2020~2021

Zhunan Oncology Plant Tainan Commercial Plant

R&D Center **Bio Pilot Plant Injectables Pilot Plant**

2016

2017





Peptide Plant

2018



Oncology API*1 Multi-purpose Injectable



Oncology Injectable (Lyo) Oncology API*3 Peptide API*1



Commercial Injectable (Accreditation of Foreign Manufacturers)



CDMO/CMO Services

Development

- Process development & optimization
- Method development & validation
- Pre-formulation/ formulation development

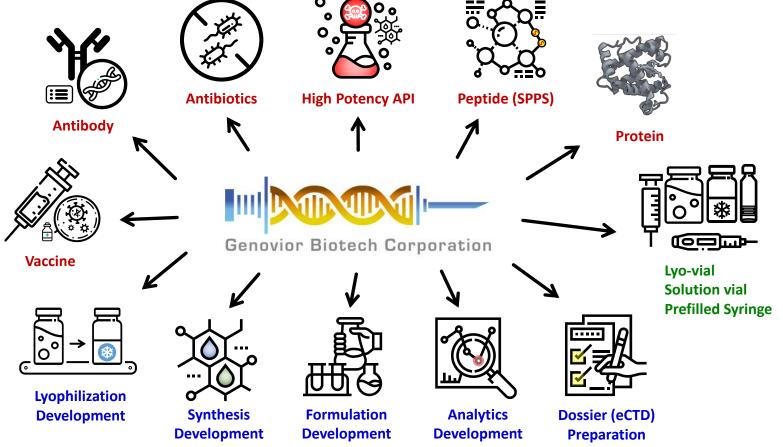
Manufacturing

- From Biologic/API to injectable
- Flexible batch size from preclinical to commercial scale
- Fill and finish
- Analytical services
- Regulatory support



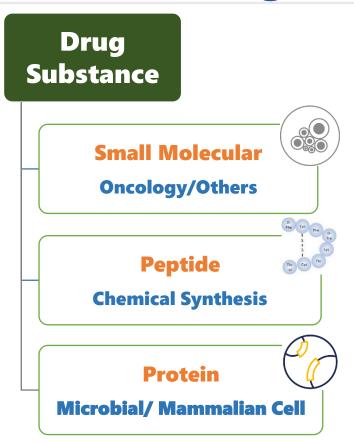
One Stop Service







From API/Biologic to Injectables



Drug Product

Solid Form Lyophilisate



Liquid Form

Solution

Cartridge (for pen injector)

Pre-filled Syringe



Genovior Biotech Corporation

Generic/Biosimilar Pipeline for Licensing/Supply

ONCOLOGY

Azacitidine*
Bortezomib*
Carboplatin
Docetaxel
Epirubicin

Gemcitabine

Fulvestrant*

Irinotecan

Oxaliplatin

Pemetrexed*

Ponatinib*

PEPTIDE

Glatiramer*
Glucagon*
Goserelin*
Octreotide*
Teduglutide*
Teriparatide*
Terlipressin*

BIO

Denosumab* Liraglutide* Ranibizumab*

OTHERS

Dexmedetomidine*
Ganciclovir
Levetiracetam
Palonosetron
Valproate

* Manufacturing of API for in-house use



Capabilities-2 sites in Taiwan









Zhunan site

- ✓ HQ/R&D Center
- ✓ Bio & Oncology Plant
- ✓ Commercial Plant
 Fermentation/Purification
 Oncology injectable
 Lyo/Solution/Peptide/
 API synthesis

Tainan site

- √ R&D Center
- ✓ Multi-purpose Plant
- ✓ Commercial Plant Multi-purpose Injectable Lyo/Solution/PFS/Cartridge

Capabilities-R&D Center



Formulation

Synthesis

Bio

mAb

ARD

Formulation development

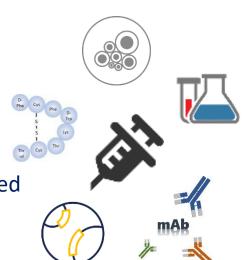
30+ injectables projects in pipeline/completed

Lyophilizer capacity: 315~1,998 vials per batch (2R~50R)

API development

20+ projects (Oncology, Peptide, Bio) in pipeline/completed

- 2 bio labs and each lab equips with 3L/30L fermenters and GE AKTA Pure (E. coli platform)
- 1 Monoclonal antibodies (mAbs) lab (CHO platform)



Capabilities-manufacturing





Bio Plant

Two production lines (up- & downstream)

Fermenters W/V: 5L/50L/320L

Purification: GE AKTA Pure



Injectables Plant

Lyo: 400 vials (20R) ~ 1,000 vials (2R)

Solution: 1.51 ~ 501 PFS (5mL) 360 pcs/hr



Oncology API Plant (High-Potency API)

Reactors from 5L to 500L



5. **Oncology Injectables Plant**

Lyo: 6,400 vials (50R) ~ 41,209 vials (2R)

Solution: 1.5L ~ 200L



Peptide Synthesis Plant

Reactors from 5L to 500L



6. **Multi-purpose Injectables Plant**

Cartridge 3.0 mL \geq 2000 pcs/hr PFS (1 mL \sim 2.25mL) 6K \sim 10K pcs/hr

Solution: 1.5L ~ 500L

Lyo: 18,000 vials (10R) ~ 41,209 vials (2R)

GMP Inspection Plan



(APPROVED)

	Production Line	TFDA PIC/S GMP (Estimated)	EU, US FDA Inspection (Estimated)	PMDA (AFM)
Small Scale Plants	 Biologic (Drug Substance) Injectables (Sol/Lyo vial, PFS) 	Approved(Lyo vial)		accredited
Oncology Plants	3. HPAPI4. Injectables (Lyo, Solution vial)	Approved Approved	EU QP audited UK Audit (rescheduled)	
General Plants	5. Peptide Synthesis API6. Multi-purpose Injectables (Solution/Lyo vial, PFS, Cartridge)	Approved Approved	EU QP audited*1 (Teriparatide)	Accredited (Lyo form)





(EXPECTED IN 2022/2023, DEPENDS ON BUSINESS NEGOTIATION)

	Production Line	EU, US	Japan
Small Scale Plants	 Biologic Injectables (Sol/Lyo vial, PFS) 	(TBD)	GMP
Oncology Plants	3. HPAPI4. Injectables (Lyo, Solution vial)	EU, US) EU, US	AFM(Lyo)
General Product Plants	5. Peptide Synthesis API6. Multi-purpose Injectables (Solution/Lyo vial, PFS, Cartridge	EU, US EU(Cartridge)+US(Cartridge +Lyo +PFS)	GMP











CERTIFICATE OF GOOD MANUFACTURING PRACTICE

Issue Date: September 22, 2020

Issued following an inspection in accordance with Article 57 of the Pharmaceutical Affairs Law and relevant Regulations of the Republic of China (Taiwan).

The competent authority of the Republic of China confirms the following:

The manufacturer: Genovior Biotech Corporation (Tainan Site) Site address: 3F-2 / 4F-1 / 4F-2 No.5, 4F-1 No.9, Nanke 2nd Rd., Xinshi Dist., Tainan City 74147, Taiwan (R.O.C.)

Manufacturer's licence number: (AP)0458149

is the manufacturer of medicinal products for human use that has been inspected with the following pharmaceutical dosage forms:

-Sterile products: 1) Liquid dosage forms: injections (aseptic preparation-small volume liquids); 2) Solid dosage forms: freeze-dried powder/lyophilisate (aseptic preparation).

From the knowledge gained during inspection performed on July 21-23, 2020, it is considered that the manufacturer complies with the Pharmaceutical Inspection Convention/Co-operation Scheme Guide to Good Manufacturing Practice (PIC/S GMP) and Good Distribution Practice (PIC/S GDP) for medicinal products.

This certificate is valid until October 25, 2022. This certificate may be revoked at anytime as warranted.

Director-General Food and Drug Administration

(http://www.fda.gov.tw/TC/index.aspx) Under the delegated author

Shih-Chung Chen, D.D.S Minister Ministry of Health and V Republic of China (Taiw





CERTIFICATE OF GOOD MANUFACTURING PRACTICE

Issue Date: May 21, 2021

Issued following an inspection in accordance with Article 57 of the Pharmaceutical Affairs Law and relevant Regulations of the Republic of China (Taiwan).

The competent authority of the Republic of China confirms the following: The manufacturer: Genovior Biotech Corporation

Site address: No. 50-3/4F., No. 50-5/4F., No. 50-8/3F., No. 50-8/4F., No. 50-8/5F., No. 50-9/5F., Keyan Rd., Zhunan Township, Miaoli County 35053, Taiwan (R.O.C.) Manufacturer's licence number: (AP)0455153

is the manufacturer of medicinal products for human use that has been inspected with the following pharmaceutical dosage forms:

-Sterile products: Solid dosage forms: freeze-dried powder (aseptic preparation). and following types of specifically toxic and hazardous substances: Cytotoxics

-Sterile products: 1) Liquid dosage forms: injections (aseptic preparation-small volume liquids); 2) Solid dosage forms: freeze-dried powder (aseptic preparation).

From the knowledge gained during GMP inspection performed on April 7-8, 2020, and September 1-3, 2020, it is considered that the manufacturer complies with the Pharmaceutical Inspection Convention/Co-operation Scheme Guide to Good Manufacturing Practice (PIC/S GMP) and Good Distribution Practice (PIC/S GDP) for medicinal products.

This certificate is valid until November 16, 2022. This certificate may be revoked at anytime as warranted.

Shou-Mei Wu, Ph.D. Director-General Food and Drug Adminis Chttp://www.fda.gov.tw/T0

Under the delegated auth Shih-Chung Chen, D.D. Minister Ministry of Health and V Republic of China (Taiw

07185



DEPO-PACK S.R.L.

Telefono 02 0604995 - Telefox 02 96705050 E-mail: info@depopeck.it

QUALIFIED PERSON'S DECLARATION EQUIVALENCE TO EU GMP FOR INVESTIGATIONAL MEDICINAL PRODUCTS MANUFACTURED IN THIRD COUNTRIES' (ARTICLE 13(3)(b) OF DIRECTIVE 2001/20/EC)

EudraCT number(s)	Name of the IMP(s)
2019-002586-35	Teriparatide Injection Pen_0,600mg/2,4ml

Manufacturing and/or Importation Authorisation (MIA) number2 under which this declaration is

Depo-Pack S.r.I. - Via Morandi 28, 21047 Saronno (VA)-ITALY- Authorization N.aAMM-35/2021

Name of the IMP(s)	Manufacturing site(s) (Name and address where the activity is performed)	Activity performed at this site (including packaging labelling and testing)
Teriparatide Injection Pen _0,600mg/2,4ml	Genovior Biotech Corporation Address: 3F-2 4F-1 4F-2 No. 5, 4F-1 No. 9, Namke 2nd Rd., Xinshi Dist., Tainan City 74147, Taiwan (R.O.C.) Country: Taiwan	-manufacturing, -primary and secondary packaging -testing,

DEPO-PACK S.R.L.
Sede Legale e Statistiments: Vita Missand 28 – 21047 Saromo (VR)
Via Morandi 28 – 21047 Saromo (VA)
Taistono 02.3604601 - Telefax 02.967060121
E-mai: Indig@epopack.it P.M.A. 6 C.F. 41094200121

認定番号 AG10600078 Number of accreditation

医塞品 外国製造業者認定証 Accreditation certificate of foreign drug manufacturer

氏名又は名称 GENOVIOR BIOTECH CORPORATION

Name (Name of corporation)

GENOVIOR BIOTECH CORPORATION (TAINAN SITE) 製造所の名称

Name of the manufacturing

establishment 販清所の所存地

3F - 2/4F - 1/4F - 2 No. 5, 4F - 1 No. 9, NANKE 2nd Rd., Xinshi Dist.,

Tainan City 74147, Taiwan (R. O. C.) Location of the manufacturing

establishment

認定の区分 医泰品 無菌医薬品(Sterile Drugs)

Accreditation entegories

医薬品、医療機器等の品質、有効性及び安全性の確保等に関する法律第13条の3の規定に より認定された医薬品外国製造業者であることを証明する。

It is certified that the above manufacturer is certificated foreign drug manufacturer pursuant to Article 13-3 of the Act on Securing Quality, Efficacy and Safety of Pharmaceuticals, Medical Devices, Regenerative and Cellular Therapy Products, Gene Therapy Products, and Cosmetics.

令和 2 年 6 月 29 日 2020 Year Month Day

原生労働大臣 力口 耳疹

Minister of Health, Labour and Welfare Kato Kats

2 年 6 月 29 日 から 右线網問 Valid period From Month Day

> 6月28日まで Month Day

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Countries other than EU Member States or contracting states of the European Economic Area (EEA).

If no number is issued please state the name of the authorisation holder DEPO-PACK S.R.L.

Genovior's lyophilized capabilities

Genovior's lyophilized capabilities











RLD CDMO



	RLD (weakness)	(CDMO (improvement)
Reconstitution Time	100"	\rightarrow	10"
Lyo vial size	50R vial	\rightarrow	20R vial
Batch size each batch	6,000 vials	\rightarrow	11,000 vials







THANK YOU

















