



COVID-19

THE NEW

COR NA

VIRUS

To Qualitatively Detection of
SARS-COV-2 Antibody IgG/IgM

By NewScen Coast
2020. 03



ABOUT US

16 YEARS DEDICATED IN IVD INDUSTRY



WHAT IS COVID-19?

NOVEL CORONAVIRUS OUTBREAK IN WUHAN 2019



TEST RESULTS

SAFETY AND ACCURATELY



PRODUCT SPECIFICATION

EASY TO USE! FAST TO GET RESULT



CONTENTS



/01

ABOUT US

*16 YEARS DEDICATED IN IVD;
NMPA, FDA, CE, ISO13485*

ABOUT US

NewScen Coast Bio-Pharmaceutical

NewScen is professional IVD products manufacturer and POCT service provider, founded in 2003. Our factory is located in Tianjin, one of biggest port city in Northern China, which benefit us from convenient logistics, and enable us fulfill better order delivery to our customers. We have more than 16 years of industry experience and export experience. Products are sold throughout the country and in North America, South America, Southeast Asia, Europe, the Middle East, Africa and other international markets. And our HIV and HCV products have both got CE approval and passed WHO laboratory evaluation.

We dedicated provide our customers an extensive range of RDTs in satisfying performance with favorable price. Both finished products, semi-finished products, OEM products, Uncut sheets are available for our cooperation.

NEW SCEN



"Honesty, verity, authenticity, and innovation"
is our persistent commitment.

**"Encouraging our employees growing with
company"**

is the driving force beneath our surging growth.



CERTIFICATION

NewScen Coast Bio-Pharmaceutical

国际认证

DAKKS
Deutscher Institut für
Zertifizierung
DIN EN ISO 13485:2016



Certificate
No. QS 095791 0008 Rev. 01

Holder of Certificate: NewScen Coast Bio-Pharmaceutical Co., Ltd.
No. 65, 6th Street
Tianjin TEDA
300457 Tianjin
PEOPLE'S REPUBLIC OF CHINA

Facility(ies): NewScen Coast Bio-Pharmaceutical Co., Ltd.
No. 65, 6th Street, Tianjin TEDA, 300457 Tianjin, PEOPLE'S REPUBLIC OF CHINA

Certification Mark:


Scope of Certificate: Design and Development, Production and Distribution of Lateral-Flow Technique based In Vitro Diagnostic Medical Devices and Readers for Lateral-Flow Devices

Applied Standard(s):
ISO 13485:2016
Medical devices - Quality management systems - Requirements for regulatory purposes
(ISO 13485:2016)
DIN EN ISO 13485:2016

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). See also notes overleaf.

Report No.: SH19107304
Valid from: 2019-03-20
Valid until: 2022-10-20

Date: 2019-06-19
Stefan Preiß
Head of Certification/Notified Body

Page 1 of 1
TÜV SÜD Product Service GmbH • Certification Body • Rotenhofstraße 65 • 80339 Munich • Germany



ISO13485



CERTIFICATE
No. QS5 095791 0009 Rev. 01

Certificate Holder: NewScen Coast Bio-Pharmaceutical Co., Ltd.
No. 65, 6th Street
Tianjin TEDA
300457 Tianjin
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:


Scope of Certificate: Design and Development, Production and Distribution of Lateral-Flow Technique based In-Vitro Diagnostic Medical Devices and Readers for Lateral-Flow Devices

Standard(s): ISO 9001:2015

The Certification Body of TÜV SÜD America Inc. certifies that the company mentioned above has established and is maintaining a quality management system that meets the requirements of the listed standard.

Report No.: SH19107304
Effective Date: 2020-03-09
Expiry Date: 2022-11-24


Page 1 of 1
Date of Issue: 2020-03-10

(Tina Israel)
Manager, US Certification Body,
Medical and Health Services

TÜV SÜD America Inc. • 10 Centennial Drive Ste 207 • Peabody, MA 01960 USA • www.tuvusa.com



ISO9001



CE DECLARATION OF CONFORMITY

According to the In Vitro Diagnostic Medical Devices Directive 98/79/EC


Manufacturer: NewScen Coast Bio-Pharmaceutical Co., Ltd.
Address: No. 65, 6th Street, Tianjin TEDA, 300457, Tianjin, PEOPLE'S REPUBLIC OF CHINA


European Representative: Walkiang Ltd
Address: 16 Castle St, Dover, Kent, CT16 1PW, England, UK

Product: COVID-19 IgG/IgM Rapid Test Cassette
Classification: Others
Conformity assessment route: Annex II, excluding 6

We, the Manufacturer, herewith declare with sole responsibility that our product mentioned above meets the provisions of the Directive 98/79/EC of the European Parliament and of the Council on In Vitro Diagnostic Medical Devices.

Applicable Standards: EN ISO 13485:2016	EN 13612:2002
EN ISO 14971:2012	EN ISO 23940:2015
EN ISO 18113-1:2011	EN ISO 18113-2:2011
EN ISO 15223-1:2016	EN 13641:2002

Signed on: 12th day of March of 2020
Place: TEDA
Signature (General Manager): 



EC DOC

CERTIFICATION

NewScen Coast Bio-Pharmaceutical

国内资质



营业执照
Business license



医疗器械经营许可证
Medical Device
Manufacturing License

对外贸易经营者备案登记表

统一社会信用代码: 91120101674912841XT
备案登记编号: 00576905 进出口企业名称:

经营者中文名称	天津中新科恒生物制药有限公司		
经营者英文名称	NEWSCEN COAST BIO-PHARMACEUTICAL CO., LTD.		
组织机构代码		经营类型 (由备案登记机关填写)	外商投资股份有限公司
住 所	天津经济技术开发区第六大街65号		
经营场所(中文)	天津经济技术开发区第六大街65号		
经营场所(英文)	NO.65,6TH STREET,TEDA,TIANJIN		
联系电话		联系人	
邮政编码	300457	电子邮箱	
工商登记注册日期	2003-5-27	备案登记注册号	

依法办理工商登记的企业还需填写以下内容

企业法定代表人姓名	孔德茂	有效证件号	120106196604085016
注册资金	人民币叁拾万元	实缴资本/币种/金额	美元

依法办理工商登记的企业或个体工商户(独资经营者)还需填写以下内容

企业法定代表人/个体工商户负责人姓名		有效证件号	
企业资产/个人财产			(折美元)

备注

无进口商品分销业务

对外贸易经营备案登记表
Registration Certificate For
Foreign Trade Dealers





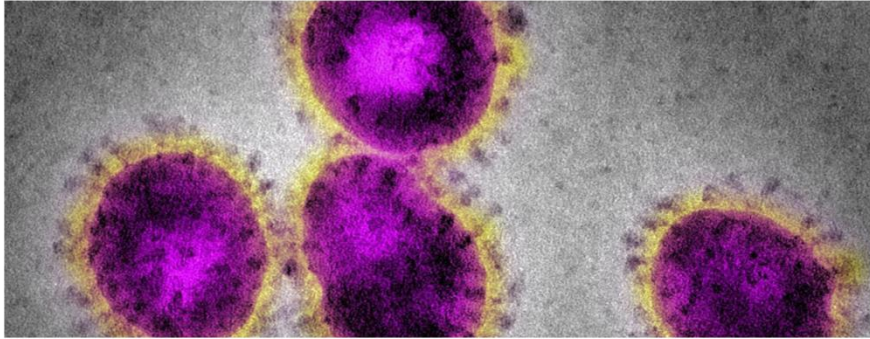
/02

WHAT IS COVID-19

THE NEW CORONAVIRUS OUTBREAK IN WUHAN 2019

WHAT IS CORONAVIRUS

NewScen Coast Bio-Pharmaceutical Co.,Ltd



Coronaviruses (CoV) are a large family of viruses that cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV).

--- World Health Organization

How is it spread?



Through the air
by coughing and
sneezing



Close personal
contact, such
as touching or
shaking hands



Touching an
object or surface
with the virus on
it, then touching
your mouth,
nose, or eyes

What are the symptoms?

Illnesses can be mild, or in some cases be severe enough to require hospitalization. Symptoms of this respiratory illness primarily include:



Fever



Cough



Shortness of
Breath

COVID-19 RNA (RT-PCR)



NewScen Coast Bio-Pharmaceutical Co.,Ltd

A significant portion of patients who otherwise fit the diagnosis based on clinical and chest CT findings, including many hospitalized patients, have tested negative for viral RNA. Other common respiratory etiologies, such as influenza, were excluded. These remain “suspected” cases and may be reflective of false negativity in sampling. In some patients, the virus may be present in the lower respiratory secretion but absent in the upper respiratory tracts.

- “Evolving status of the 2019 novel coronavirus infection: Proposal of conventional serologic assays for disease diagnosis and infection monitoring” Journal of Medical Virology

Nucleic Acid Test (PCR) False Negative Risk!

COVID-19 Serology Test

NewScen Coast Bio-Pharmaceutical Co.,Ltd

For a new type of infection, it takes time for the body to make strong antibodies. The body can make several kinds of antibodies to fight infections. The two types that herpes blood tests look for are IgG and IgM.

IgM:

Herpes IgM antibodies usually are detectable by herpes blood tests within 7-10 days after initial infection. IgM levels stay high for approximately two weeks. After that, they usually decline. Therefore, IgM testing is primarily considered to be useful for detecting acute infection.

IgG:

Immunoglobulin G (IgG), the most abundant type of antibody, is found in all body fluids and protects against bacterial and viral infections.

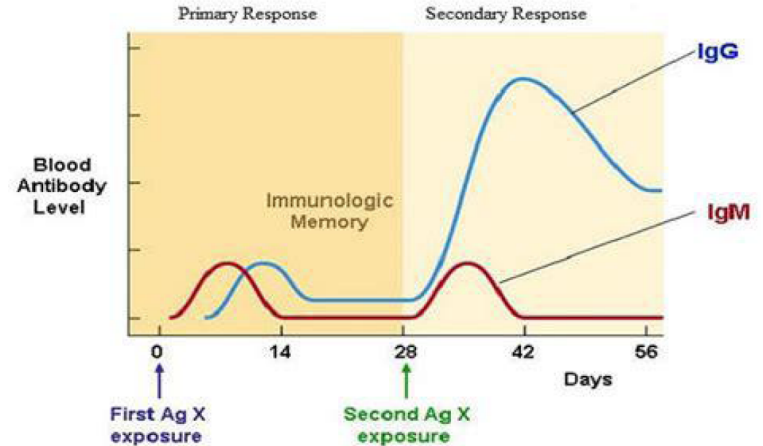
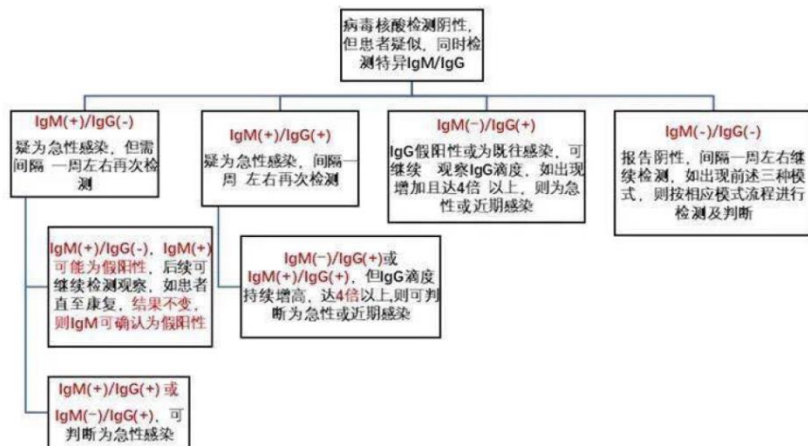


Fig. Immune Response and Secretion of antibodies

	Positive IgG	Negative IgG
Positive IgM	Infection date indeterminate	Acute/Recent infection
Negative IgM	Established Infection	No infection detected

COVID-19 Serology Test

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7th Edition COVID-19 Diagnosis & Treatment Guideline
published by the National Health Commission of P.R.China

COVID-19 specific antibody IgM positive & IgG positive
OR COVID-19 specific antibody IgG seroconverts or
increase 4 times or more then acute phase
→ **INFECTION CONFIRMED**

- ◆ Highly recommended to use with nucleic Acid (PCR) test in diagnosis of COVID-19
- ◆ Easy to sampling, effectively reduce the risk of infection in medical staffs
- ◆ Avoid misdiagnosis due to the incorrect sample collection when performing PCR test

Continuous Dynamic Detection



/03

TEST RESULTS

SAFETY AND ACCURATELY

COVID-19 IgM/IgG TEST

NewScen Coast Bio-Pharmaceutical Co., Ltd

NewScen	Diagnosed Sample				Total	
	Positive		Negative			
Positive	A	86	B	9	A+B	95
Negative	C	8	D	258	C+D	266
Total	A+C	94	B+D	267	ABCD	361

Sensitivity = $A/(A+C)\% = 91.49\%$

Specificity = $D/(B+D)\% = 96.63\%$

Total Accuracy = $(A+D)/(ABCD)\% = 95.29\%$

The evaluation is carried out in comparison with the blood sample from COVID-19 nucleic acid test (PCR) confirmed cases in CDC and classIII hospitals

Finger Tip Blood ✓

15 minute Result GET ✓

2-30°C Storage ✓

12M Shelf-life ✓

FAST! EASY! ACCURATE!

Certificate of Analysis

COVID-19 IgG/IgM Rapid Test Cassette

Certificate of Analysis

Document NO.: ZXKJ- COVID-001

User Department: QC Dept.

Product Name	COVID-19 IgG/IgM Rapid Test Cassette		
Lot No.	17C2006	Batch quantity	50,000 pcs
Specification	40 pcs/box	Manufacture Date	2020.03.17
Inspection Date	2020.03.18	Expire Date	02/2021
Report Date	2020.03.18		
Inspection Item	Inspection Standard		Result
Visual Inspection	Appearances complete no damage. Cassette smooth and flawless. Material firmly attached and Complete content.		pass
Negative Reference Product Coincidence Rate	Negative reference sample coincidence rate: 10 negative enterprise reference samples were tested and the results were all negative.		pass
Positive Reference Product Coincidence Rate	Positive reference sample coincidence rate 100%: 5 IgG positive enterprise reference samples were tested and the results were all positive. 5 IgM positive enterprise reference samples were tested and the results were all positive.		pass
Lower Limit of Detectability	3 IgG enterprise reference samples of limited detection were used for testing, L1 should be negative, L2 was an uncertain result, and L3 should be positive.		pass
Sophisticated Detection	Test results are consistent, color intensity of test lines are the same.		pass
Conclusion	According to the Enterprise Internal Standards of COVID-19 IgG/IgM Rapid Test Cassette <input type="checkbox"/> PASS <input type="checkbox"/> NOT PASS		
Remark			
Checker		Reviewer	Person In Charge

MSDS 1/2



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Tel: +86-22-25321648 Ext: 867
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Email: business.int@newsen.com

Material Safety Data Sheet

Printing date: 20130508 Date Updated: 20130121

Section 1 - Product and Company Information

Product Name: Sample Diluent
Product Number: Not Applicable
Application of the Product: For research use only. Not for use in diagnostic procedures.
Manufacturer: NewScen Coast Bio-Pharmaceutical Co., Ltd
Telephone: +86-22-25321648 Ext: 822
Fax: +86-22-25328062
Email: business.int@newsen.com

Section 2 - Composition/Information on Ingredient

Description of Components: Na₂HPO₄ 0.29%; KH₂PO₄ 0.02%; NaCl 0.85%; NaN₃ 0.02%; H₂O₂ 98.82%
Hazardous Ingredients: No hazardous substances or mixtures are contained

Section 3 - Hazards Identification

Potential Health Effects

Inhalation: None anticipated with normal use
Skin: None anticipated with normal use
Eyes: None anticipated with normal use
Ingestion: May be harmful if swallowed
Potential Effects of Chronic Exposure: None anticipated with normal use
Universal Precautions: All patient samples and contaminated components should be handled as potentially infectious. Wear personal protective equipment and wash hands after handling test.
Warning Properties: None related to the components within this kit.

Section 4 - First Aid Measure

If inhaled: Inhalation of any component is unlikely.
In case of Skin Contact: Wash off with soap and plenty of water.
In case of Eye contact: Flush eyes with water as a precaution.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: For small fires, use dry chemical, carbon dioxide, or alcohol-resistant foam.
Special Fire Fighting Procedures: This material will not significantly contribute to the intensity of a fire. Trained emergency responders should wear self-contained breathing



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apparatus and appropriate personal protective gear to prevent contact with skin, eyes and respiratory system.
Unusual Fire and Explosion Hazards: When involved in a fire, this material may decompose and produce irritating fumes and toxic gases (e.g., Carbon monoxide, Carbon dioxide).

Additional Considerations: Not applicable

Section 6 - Accidental Release Measures

Personal Precautions: Follow Universal Precautions when cleaning-up patient samples.
Environmental Precautions: Not applicable
Spill and Leak Procedures: Not applicable

Section 7 - Handling and Storage

Precautions for Safe Handling:

As with all chemicals and biological substances, avoid getting components within this kit ON YOU or IN YOU. Wash exposed areas thoroughly after using this kit. Do not eat or drink while using this kit. This kit should be handled only by qualified clinical or laboratory employees trained on the use of this kit and who are familiar with the potential hazards. Universal Precautions should be followed when using this kit.
Conditions for Safe Storage: To maintain efficacy, store according to the package insert instructions.

Specific Use: For in vitro diagnostic use only - Not for use by general public!

Section 8 - Exposure Controls and Personal Protection

Exposure Limits: Not available
Occupational Exposure Controls:
Engineering Controls: No special engineering controls are required when working with this kit.
Personal Protective Equipment (PPE): Safety glasses and disposable gloves are recommended.
Hygiene Measures: Wash hands and work surfaces after handling the components of this kit.
Environmental Controls: No special environmental controls are required.

Section 9 - Physical and Chemical properties

Characteristic	Liquid
Boiling Point, Melting Point, Flash Point, Ignition Temperature (C)	Not applicable
Specific Gravity / Evaporation Rate (Ether = 1)	Not applicable
Vapor Pressure (mm Hg) / Vapor Density (AIR = 1) / pH	Not applicable

MSDS 2/2



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Lower Explosion Limit (LEL) / Upper Explosion Limit (UEL)	Not applicable
Solubility in Water:	Not applicable
Appearance and Odor:	Not applicable

Section 10 – Stability and Reactivity

Characteristic	Liquid
Stability	Stable
Conditions to Avoid	None known
Materials to avoid (Incompatibilities)	None known
Hazardous Decomposition or Byproducts	None known
Hazardous Polymerization	None known

Section 11 – toxicological Information

Toxicity Data for Hazardous Ingredients: No toxicity data available

Primary Routes of Exposure: Overexposures to the components within this kit are unlikely.

Potential Health Effects (Chronic / Acute):

General irritation to skin, eyes and GI tract with repeated contact from the improper use of the test components.

Symptoms of Overexposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated for this kit.

Medical Exposure Aggravated by Exposure: None known

Carcinogenicity:

To the best of our knowledge, this kit does not contain any substances that are listed by ACGIH, IARC, NTP or California Prop 65.

Specific target organ toxicity – single or repeated exposure (GHS): No data available

Section 12 – Ecological Information

Ecotoxicity, Mobility, Persistence and Degradability, Bio accumulative Potential and Other Adverse Effects: No data available

Section 13 – Disposal Considerations

Dispose of waste materials, unused components and contaminated packaging in compliance with country (i.e., Canada, EU, Japan, etc.), federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.



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Section 14 – Transport information

DOT

Proper Shipping Name: None

Non-Hazardous for transport: This substance is considered for transport.

IATA

Non-hazardous for air Transport: Non-hazardous for air transport.

Section 15 – Regulatory information

U.S. Federal and State Regulations: Not applicable

Label Information – ANSI Z129.1: Not applicable

Canadian Regulations: Not applicable

EU Labeling Classification: Not applicable

Japan – Existing and New Chemical Substances (ENCS): Not applicable

Section 16 – Other information

This MSDS has been prepared in accordance with ANSI Z400.1 format and the guidance provided under the Globally Harmonized System (GHS). Every effort has been made to adhere to the hazard criteria and content requirements of the US OSHA Hazard Communication Standard, European Communities Safety Data Sheets Directive, Canadian Controlled Products Regulations, UK Chemical Hazard information and Packaging Regulations, and UN Globally Harmonized System of Classification and Labeling of Chemicals.



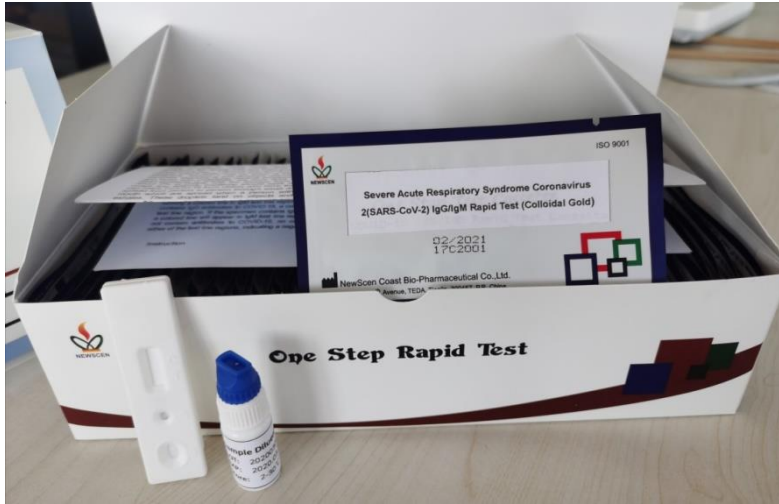
/04

PRODUCT SPECIFICATION

EASY TO USE

FAST TO GET RESULT

PRODUCT VIEW



COVID-19 IgM/IgG TEST

NewScen Coast Bio-Pharmaceutical Co., Ltd



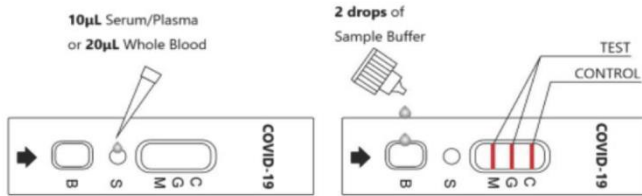
**NewScen SARS-COV-2 Antibody IgM/IgG
Rapid Test Kit (Colloidal Gold)**

COVID-19 IgM/IgG TEST

NewScen Coast Bio-Pharmaceutical Co., Ltd

OPERATION PROCESS

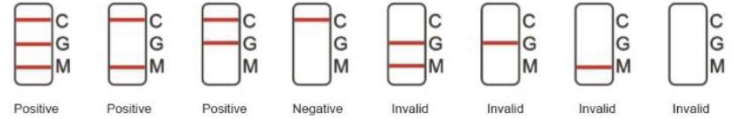
- Add the sample



10uL Serum/Plasma
20uL Whole Blood

INTERPRETATION OF RESULTS

- Observe the result in 15-20minutes



NewScen SARS-COV-2 Antibody IgM/IgG
Rapid Test Kit (Colloidal Gold)

PACKAGE SPEC.

Box size: 250*125*65 mm

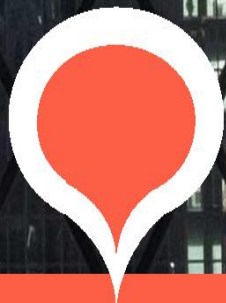
Carton size: 65*51*33 cm

Weight/each carton: 18KG

Package: 40pcs/box, and 50 boxes/carton

Totally: 100,000 pcs for 50 cartons





Thanks

NewScen Coast Bio-Pharmaceutical