



**BIOBASE®**



**BIOBASE<sup>®</sup>**

# ***INTRODUCTION***

BIOBASE Group is a professional manufacturer of laboratory products since 1999. Our main products are Biosafety Cabinet (Class I / II / III), Laminar Flow Cabinet, Fume Hood, Biochemistry Analyzer, Reagent, Autoclave and Incubator. We have more than 2000 employees and 20000 square meters production base. Our output per year reaches 10000 units. Pursuing the highest quality is the tenet of BIOBASE. We hope everybody will enjoy BIOBASE service to keep away from the infectious disease.

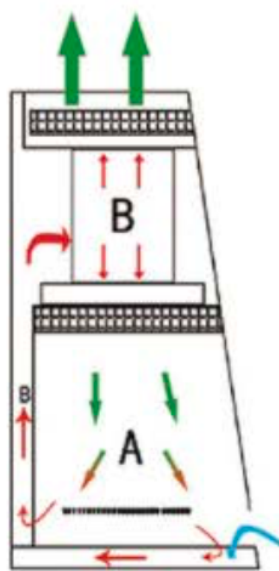
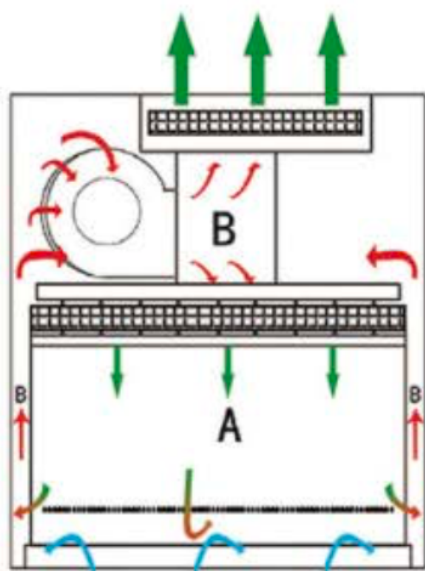
Our advantages:

- We built an excellent research team which consists of 50 professional engineers.
- We have 20 years production experience and a strong technical production team. And we adopt high-tech and state-of-the-art production equipment from Italy, Japan, and Switzerland, etc.
- We have a strong quality control team to inspect all production stage, from the purchased accessories to the finished products.
- We have full sets of advanced quality assurance equipments.
- We have ISO9001 quality management system; ISO14001 environment management system, ISO3485, CE mark, MET and NSF 49 certificate.
- We got EN 12469 certificate for Biosafety Cabinet in 2013.



# Class II A2 Biological Safety Cabinet

Three protection: operator, sample and environment.  
Airflow system: 70% air recirculation, 30% air exhaust  
A2 Cabinet is suitable for working with microbiological research in the absence of volatile or toxic chemicals and radionuclide.



- Room Air
- Contaminated Work Chamber Air
- HEPA/ULPA Filtered Air
- A Protected Area
- B Un-Protected Area



# Pro Series Class II A2 Biological Safety Cabinet



**LCD Display**  
7 Inch touch screen display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.



**Remote Control**  
All functions can be realized with it, making the operation much easier and more convenient.



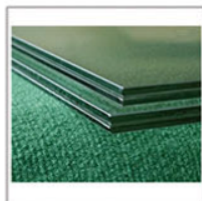
**Air-Vent**



**Work Zone**  
Work zone, made of 304 stainless steel, is surrounded by negative pressure.



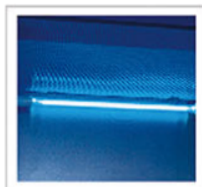
**Footmaster Caster**  
Universal caster with brake and leveling feet.



**Front Window**  
Two-layer laminated toughened glass >6mm, Anti UV



**Foot Switch**  
Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.



**UV Lamp**  
Emission of 253.7 nanometers for most efficient decontamination.



**Waterproof Socket**  
2 waterproof sockets are located in the side wall, for optimum convenience of using small devices inside the cabinet.



## ADVANTAGE

1. The operation perspective is wide and more humanized.
2. Time reserve function.
3. ULPA filter life and UV life indicator.
4. Motorized front window.
5. With memory function in case of power-failure.
6. Audio and visual alarm (Abnormal airflow velocity; Filter replacement; Front window at unsafe height; High filter pressure alarm ).
7. Self-locking button switch to solve the trouble of losing the key.
8. 7 inch Large touch screen with Intelligent control system: Operators can check detailed status of the cabinet, such as inflow and downflow velocity, work area temperature and humidity, filter pressure, UV working time and filter working time, filter life indicator etc.
9. Remote control: all functions can be realized with it, making the operation much easier and more convenient.
10. Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; blower and front window.
11. Foot switch: adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

## TECHNICAL PARAMETERS

Model	BSC-1100IIA2-Pro	BSC-1300IIA2-Pro	BSC-1800IIA2-Pro
External Size(W*D*H)	1100*750*2210mm	1383*750*2310mm	1873*780*2310mm
Internal Size(W*D*H)	940*600*660mm	1210*600*660mm	1700*600*660mm
Tested Opening	Safety Height 200mm(8")		
Max Opening	420mm(17")	500mm (20")	520mm(21")
Inflow Velocity	0.53±0.025 m/s		
Downflow Velocity	0.33±0.025 m/s		
ULPA Filter	Two, 99.9995% efficiency at 0.12µm. Filter life indicator.		
Front Window	Motorized. Two-layer laminated toughened glass ≥ 6mm. Anti UV.		
Noise	≤ 67dB		
UV Lamp	30W*2	30W*2	40W*2
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.		
illuminating Lamp	LED lamp		
	12W*2	12W*2	16W*2
Illumination	≥1000Lux		
Consumption	600W	1300W	1300W
Waterproof Sockets	Two, total load of two sockets: 500W		
Display	7 inch touch sren display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc.		
Control System	Microprocessor		
Airflow System	70% air recirculation, 30% air exhaust		
Visual and audio alarm	Abnormal airflow velocity, Filter replacement, Front window at unsafe height, High filter pressure alarm.		
Material	Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating.		
Work Surface Height	750mm(Size can be customized according to requirements)		
Caster	Footmaster caster		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Standard Accessory	LED lamp*2, UV lamp*2, Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2		
Optional Accessory	Water and gas tap, Electric height adjustable base stand,Armrest,chair		
Gross Weight	265kg	340kg	430kg
Package Size(W*D*H)	1250*990*1770mm	1540*1080*1910mm	2000*1075*1910mm





# Certificate of Compliance

No. 3N210924.BBQT59

Test Report / Technical Construction File no. TCF-03-2020941-LVD+EMC

Certificate's  
Holder:

Biobase Biodustry (Shandong) Co., Ltd.  
Biobase Biodustry Park, Crossing of East Jingshi  
Road and Mingbu Road, Mingshui Economic  
Development Zone, Zhangqiu, Jinan City,  
Shandong Province, China

Manufacturer:

Biobase Biodustry (Shandong) Co., Ltd.  
No. 9 Gangxing Road, High-Tech Zone, Jinan City,  
Shandong Province, China

Certification ECM  
Mark:



Product:  
Model(s):

Biological Safety Cabinet  
(see the following annex)

Verification to:

Standard:  
EN 61010-1:2010+A1:2019, EN 61326-1:2013

related to CE Directive(s):  
2014/35/EU (Low Voltage)  
2014/30/EU (Electromagnetic Compatibility)

**Remark:** This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:



The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01\_ECM rev.3 available at: [www.entecerma.it](http://www.entecerma.it)

**Issuance date: 24 September 2021**

**Expiry date: 23 September 2026**

Reviewer  
Technical expert  
Amanda Payne

Approver  
ECM Service Director  
Luca Bedonni

**Ente Certificazione Macchine Srl**





# Annex I

No. 3N210924.BBQT59

Test Report / Technical Construction File no. TCF-03-2020941-LVD+EMC

## Model(s):

11228 BBC 86, 11229 BBC 86, 11230 BBC 86, 11231 BBC 86, 11240 BBC 86,  
BSC-3FA2, BSC-3FB2, 11231 BBC 86-Pro, BSC-1300IIA2-Pro,  
BSC-1500IIB2-Pro, BSC-1800IIA2-Pro, BSC-1800IIB2-Pro, BSC-1100IIA2-Pro,  
BSC-1100IIB2-Pro





REGISTRATION NO. 04722Q10272R2M

## CERTIFICATE OF QUALITY MANAGEMENT SYSTEM

This is to certify that the quality management system of

**Jinan Biobase Biotech Co., Ltd.**

**Registered Address: OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong**

**Manufacturing Address: North Side of Jiwang Road, Mingshui Economic Development District, Zhangqiu, Jinan City; OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong; Workshop No.7, Medical Device Industrial Park, Juancheng County, Heze City, Shandong Province**

**Has been assessed and conformed to the following standard(s)  
GB/T 19001-2016 idt ISO 9001:2015**

**The certificate is valid for the following scope:**

**The design, development, production and service of Biological Safety Cabinet; Class I Biosafety Cabinet; CO<sub>2</sub> Incubator; Low Temperature Freezer; Medical Refrigerator; Laminar Flow Cabinet; Biological Isolation Chamber; Fume Hood; PCR Cabinet; Dispensing Booth.**

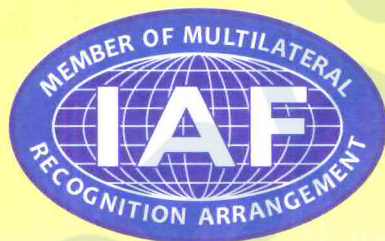
**Date of issue: July 22, 2022**

**Date of expiry: July 21, 2025**

**Date of change: October 20, 2022**

**General Manager:**

**BEIJING HUA GUANG CERTIFICATION  
OF MEDICAL DEVICES CO., LTD.**



中国认可  
国际互认  
管理体系  
MANAGEMENT SYSTEM  
CNAS C047-M

Note: This certificate will not be continuously valid until the organization has been approved in the annual surveillance audit. The certificate information are available on the website of the certification and accreditation administration of the People's Republic of China (<http://www.cnca.gov.cn>) or the website of CMD (<http://www.cmdc.com.cn>). Address: 5<sup>th</sup> floor of Zhong Lian building, No. jia88, An Ding Men Wai street, Dongcheng district, Beijing, 100011, P.R. China Telephone: 010-62351993





Registration No. 04722E10003R0M

## CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM

This is to certify that:

**Jinan Biobase Biotech Co., Ltd.**

Registered address: **OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong**

Manufacturing address: **North Side of Jiwang Road, Mingshui Economic Development District, Zhangqiu, Jinan City; OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong**

Operates an Environmental Management System which complies with the requirements of:

**GB/T 24001-2016 idt ISO 14001:2015**

For the following scope:

**Environmental management activities of design, development, manufacture, distribution and service of Biological Safety Cabinet, Laminar Flow Cabinet, Biological Isolation Chamber, Air Purifier, Fume Hood, PCR Cabinet, Dispensing Booth.**

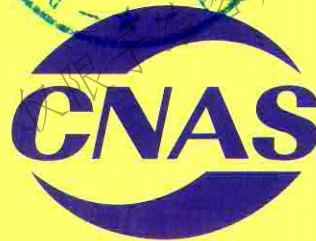
Date of issue: **June 14, 2022**

Date of expiry: **June 13, 2025**

Date of change: **June 04, 2023**

General manager:

**BEIJING HUA GUANG CERTIFICATION  
OF MEDICAL DEVICES CO., LTD.**



中国认可  
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管理体系  
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REGISTRATION NO. 04722Q10000272

## CERTIFICATE OF QUALITY MANAGEMENT SYSTEM FOR MEDICAL DEVICES

This is to certify that the quality management system of

**Jinan Biobase Biotech Co., Ltd.**

**Registered Address: OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong**

**Manufacturing Address: North Side of Jiwang Road, Mingshui Economic Development District, Zhangqiu, Jinan City; OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong; Workshop No.7, Medical Device Industrial Park, Juancheng County, Heze City, Shandong Province**

Has been assessed and conformed to the following standard(s)

**YY/T 0287-2017 idt ISO 13485:2016**

The certificate is valid for the following scope:

The design, development, production and service of Biological Safety Cabinet; Class I Biosafety Cabinet; CO<sub>2</sub> Incubator; Low Temperature Freezer; Medical Refrigerator; Laminar Flow Cabinet; Biological Isolation Chamber; Fume Hood; PCR Cabinet; Dispensing Booth.

Date of issue: July 22, 2022

Date of expiry: July 21, 2025

Date of change: October 20, 2022

General Manager:

**BEIJING HUAGUANG CERTIFICATION  
OF MEDICAL DEVICES CO., LTD.**





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