

## -86°C Freezer



158L



338L



408L

### Technical Parameters

Model	BDF-86V158	BDF-86V338	BDF-86V408	
External Size(W*D*H) mm	700*700*1580	854*1072*1907	891*1028*1945.5	
Internal Size(W*D*H) mm	460*455*800	488*607*1140	606*575*1180	
Capacity	158L	338L	408L	
Type	Vertical			
Temp. Range	-40~-86°C	-40~-86°C	-40~-86°C	
Temp. Accuracy	0.1°C	0.1°C	0.1°C	
Control System	Microprocessor control, LED Display	Microprocessor control, LCD touch screen	Microprocessor control, LED Display	
Audible and Visual Alarm	High and low temperature alarm, sensor fault alarm	High and low temperature, Sensor failure, Door ajar, Power failure, Voltage abnormal, Ambient temperature abnormal, Low voltage, Filter blocking		
Refrigeration type	Optimized auto-cascade refrigerating system			
Refrigerant	Unique fluoride-free mixed refrigerant	Mixture refrigerant	Mixture refrigeration	
Compressor	1 set	2 sets	1 set	
Condenser&Evaporator	Made of copper			
Construction	Structure	120mm ultra-thick foam layer	100mm ultra-thick foam layer	150mm ultra-thick foam layer
	Internal Material	SS 304		
	External Material	Sprayed steel plate		
Door	Lockable door			
Caster	4 casters			
Chamber with Inner Door	3	2	2	
Shelf	2 pc	3 pc	3 pc	
Temp. Test Port	1, φ18mm	1, φ25mm	1, φ25mm	
Consumption	480W	870W	890W	
Power Supply	AC110V/220V±10%, 50/60Hz			
Standard Accessory		72 hours battery backup for power failure alarm, USB port		
Optional Storage Racks and Boxes		R244B 12 racks: 4*4 192 Boxes	R254B 8 racks: 5*4 R244B 8 racks: 4*4 288 boxes	
Package Size (W*D*H) mm	800*780*1750	940*1070*2130	955*955*2100	
Gross Weight	155kg	305kg	291kg	



108L



340L



588L

### Technical Parameters

Model	BDF-86V108	BDF-86V340	BDF-86V588
External Size (W*D*H)mm	700*730*1260	854*1006*1907	891*1155*1994.5
Internal Size (W*D*H)mm	460*460*510	488*607*1140	606*738*1310
Capacity	108L	340L	588L
Type	Vertical		
Temp. Range	-40°C~-86°C	-40°C~-86°C	-40°C~-86°C
Temp. Accuracy	0.1°C		
Control System	Microprocessor control, LED display	Microprocessor control, LED display	Microprocessor control, LCD touch screen
Audio and Visual Alarm	High and low temperature, Sensor failure	High and low temperature, Sensor failure, Door ajar, Power failure, Voltage abnormal, Ambient temperature abnormal, Low voltage, Filter blocking	
Refrigeration Type	Optimized auto-cascade refrigerating system	Direct refrigeration	
Refrigerant	Unique fluoride-free mixed refrigerant	Mixture refrigerant	
Compressor	1 set	1 set	2 sets
Condenser&Evaporator	Made of copper		
Construction	Structure	120mm ultra-thick foam layer	150mm ultra-thick foam layer
	Internal Material	SS 304	
	External Material	Sprayed steel plate	
Door	Lockable door		
Caster	4 casters		
Chamber with Inner Door	2	2	2
Shelf	1 pc	3 pc	3 pc
Temp. Test Port	1, φ18mm	1, φ25mm	1, φ25mm
Consumption	450W	810W	815W
Power Supply	AC110V/220V±10%, 50/60Hz		
Standard Accessory	-	72 hours battery backup for power failure alarm, USB port	
Optional Accessory	Storage Racks and Boxes	R244B 12 racks: 4*4 192 boxes	R255B 16 racks:5*5 400 boxes
Package Size (W*D*H)mm	785*800*1430	935*1070*2130	975*1140*2200
Gross Weight	133kg	283.5kg	368kg

## Bench Top Low Speed Centrifuge



### Features:

**Driving:** Driven by maintenance-free brushless DC motor with high torque. It offers fast acceleration and dynamic brake and the powerful vibration absorbers make the motor run more steady.

**Display:** Controlled by microcomputer with touching pad and visual digital display.

**Body Structure:** Premium steel housing for safety and reliability; stainless steel chamber for durability and easy cleaning.

**Safety Protection:** It contains various safety protections including lid locking and holding during rotor on, over speed, unbalance. The electronic lock ensures its safety and reliability during running.

**Control:** Control of speed and time. Direct set for speed and time is user-friendly. It is used in biochemistry laboratories and clinical test in hospitals.

### Technical Parameters:

Model	BKC-TD6K
Max Speed	6000r/min
Max RCF	5120×g
Max Capacity	6×30ml
Angle Rotor	12×15/6×30ml(6000r/min) RCF:5120×g
Timer Range	1~99min
Motor	Brushless DC motor and microcomputer controlled
Power Supply	AC 110/220V, 50/60Hz, 8A
Dimension (W×D×H)	340×400×270mm
Weight	25kg

# 200T/H Auto Chemistry Analyzer BK-200 (Previous BK-200mini)



### Overall appearance:

One probe for reagents and samples;  
One mixer; Washing probe.

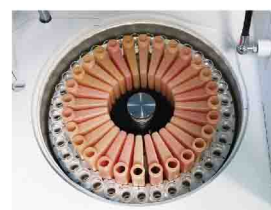


### Features:

- ①. 37 Sample positions.
- ②. 28 Reagent positions.
- ③. 48 Reaction cuvettes.
- ④. 200 Tests per hour.
- ⑤. Probe with anti-collision function, liquid level detection function.



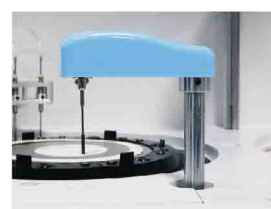
**Reaction Tray**  
37±0.2°C,  
real-time monitor.



**Reagent Tray**  
Refrigerated tray with  
independent switch.



**Sample Needle**  
Liquid level sensor function.  
Anti-collision function. Reagent  
volume real-time detection.



**Mixer Probe**  
Teflon coating to avoid  
cross contamination.



**Washing Probe**  
Independent 2-step  
washing system.



**LAN Port  
Access**

### Parameters:

Model	BK-200	
Overall Performance	Throughput	200 Tests/hour
	Analysis Method	End-point, Fixed-time, Rate(Kinetic)
	Certificates	CE, FDA, ISO9001, ISO14001, ISO13485
Sample & Reagent System	Sample Positions	37 sample positions
	Reagent Positions	28 reagent positions
	Sample Volume	2~70µl
	Reagent Volume	20~350µl
	Probe	Teflon coating, with anti-collision function, liquid level detection function
	Probe Washing	Automatic washing interior and exterior
	Reagent Cooling	Refrigerated tray with independent switch
Reaction System	Temperature Control	37±0.2°C
	Cuvettes	48 reusable cuvettes, optical length 6mm
	Mixer Probe	Independent stirring
	Washing	Automatic cuvettes washing
	STAT Function	YES
Optical System	Light Source	6V/10W halogen lamp
	Spectrophotometry	Post-spectral spectrophotometry
	Wavelength	340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800nm
	Absorbance	0~3.0Abs
Calibration & QC	Calibration	Linear: K factor, 1-point, 2-point and multipoint linear Non-Linear: Spline, Polygon, Index, Ogarithm, Logit-4P, Logit-5P
	Quality Control	Real-time QC, Westgard multi rule, Cumulative sum check, Twin Plot(2D)
Data Management	Software	Windows 7/8/10, 32 or 64 bit
	LIS System	Bi-direction, support HL7 protocol
	Interface	LAN port access
Working Conditions	Printer	External, multiple reporting mode available
	Power Supply	AC220V±10%, 50/60Hz, 110V±10%, 60Hz, 300W
	Temperature	15~30°C
	Water Consumption	Deionized water: < 5L/H
Size & Weight	Humidity	40%~85%
	External Size (W*D*H)	625*425*460mm
	Net Weight	36kg
	Package Size (W*D*H)	728*530*884mm
	Gross Weight	55kg

### XS-208 Series Laboratory Biological Microscope



**Technical Parameters:**

	Specification	Model					
		XS-208A	XS-208B	XS-208C	XS-208AP	XS-208BP	XS-208AB
Viewing Head	Sliding Binocular Head Inclined at 45°	√					
	Sliding Trinocular Head Inclined at 45°		√				
	Compensation Free Binocular Head inclined at 30°				√		√
	Compensation Free Trinocular Head inclined at 30°			√		√	
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√	√
Eyepiece	WF10X/18mm	√	√	√	√	√	√
Objective	Achromatic 4X, 10X, 40X(S)100X(S, Oil)	√	√			√	√
	Infinite Plan Achromatic 4X, 10X, 40X(S)100X(S, Oil)			√	√		
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√	√	√
Condenser	ABBE NA1.25 condenser with Iris Diaphragm&filter, rack&pinion adjustable	√	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W	√	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√	√
Optional Accessories	Photo attachment, Video attachment		√	√		√	
	Dark field condenser, Polarization set, Phase contrast kit	√	√	√	√	√	√
Package	Cartoon with foam	√	√	√	√	√	√
Package Size	250*360*460mm	√	√	√	√	√	√
Gross Weight	8kg	√	√	√	√	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp.  
Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece.

### XSB-Series Laboratory Biological Microscope



**Technical Parameters:**

	Specification	Model				
		XSB-301P	XSB-301B	XSB-103B	XSB-102B	XSB-301A
Viewing Head	Compensation Free Binocular Head inclined at 30°			√		
	Compensation Free Trinocular Head inclined at 30°	√	√			
	Sliding Binocular Head inclined at 45°				√	
	Sliding Trinocular Head inclined at 45°					√
	Sliding Binocular/Trinocular Head inclined at 45°					
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√
Eyepiece	WF10X18mm	√	√	√	√	√
Objective	Plan Achromatic 4X, 10X, 40X(S)100X(S, Oil)	√				
	Achromatic 4X, 10X, 40X(S)100X(S, Oil)		√	√		√
	Achromatic 10X, 20X, 40X(S)100X(S, Oil)				√	
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√	√
Condenser	ABBE NA1.25 condenser with Iris Diaphragm & filter, rack&pinion adjustable	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W,	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√
Optional Accessories	Photo attachment, Video attachment	√	√			√
	Dark field condenser, Polarization set, Phase contrast kit	√	√	√	√	√
Package	Each set in styrofoam, to cartoon for safety	√	√	√	√	√
Package	Cartoon with foam	√	√	√	√	√
Package Size	240*340*400mm	√	√	√	√	√
Gross Weight	7kg	√	√	√	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp  
Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece

## Table Top Low Speed Centrifuge

### Features for BKC-TL4IV:

- \* Maintenance-free brushless DC motor.
- \* Microprocessor control, LED display.
- \* Stainless steel chamber.
- \* Rotor recognition system, Automatically electric lid lock, over speed, over temperature, and imbalance protection.



### Features for BKC-TL5VII:

- \* DC Brushless motor, special damping device make the motor run steady, free maintenance.
- \* Display: microprocessor control, LED display of running parameters, 10rpm increments, conversion of RPM/RCF.
- \* Function: automatically electric lid lock, over speed, over temperature and imbalance protection, memory flashing function.
- \* Alarm: over speed, rotor mounting abnormally.
- \* External cold-rolled steel with powder coating, stainless steel centrifugal chamber and lid.

### Technical Parameters:

Model	BKC-TL4IV	BKC-TL5VII
Max. Capacity	6*50ml	
Max. Speed	4000rpm	5000rpm
Speed Precision	/	±30rpm
Timing Range	1~60min	0~99min
Noise	≤65dB	<58dB
Consumption	180W	300W
Power Supply	AC110/220V, 50/60Hz	
External Size(W*D*H)mm	395*340*305	330*295*255
Package Size(W*D*H)mm	510*420*330	510*445*445
Net/Gross Weight(kg)	20/22	20/28

### Rotor:

BKC-TL4IV					BKC-TL5VII				
Rotor No.	Rotor	Capacity	Speed(rpm)	RCF(xg)	Rotor No.	Rotor	Capacity	Speed(rpm)	RCF(xg)
No.1	Angle Rotor	18*10/7ml	4000	2200	No.1	Angle Rotor	18*10/7ml	5000	4020
No.2		24*10/7ml	4000	2200	No.2		24*10/7ml	5000	4020
No.3		12*15/10ml	4000	2200	No.3		12*15/10ml	5000	4020
No.4		12*20/15ml	4000	2200	No.4		12*20/15ml	5000	4020
No.5		6*50ml	4000	2200	No.5		6*50ml	5000	4020

## Table Top Low Speed Refrigerated Centrifuge

### Technical Parameters:

Model	BKC-TL5R
Max. Speed	5000rpm
Max. RCF	4390xg
Max. Capacity	4*250ml
Speed Precision	±50rpm
Timing Range	1s~99h59min59s
Temp. Range	-20°C~40°C
Temp. Accuracy	±1°C
Refrigerant	CFC-free refrigerant
Noise	≤65dB
Power Supply	AC110/220V, 50/60Hz
External Size(W*D*H)mm	640*680*380
Package Size(W*D*H)mm	780*800*520
Net Weight(kg)	95
Gross Weight(kg)	120



### Features:

- \* Maintenance-free brushless DC motor.
- \* LED/LCD display.
- \* Stainless steel chamber.
- \* Automatically electric lid lock, over speed, over temperature, and imbalance protection.

### Rotor:

Rotor No.	Rotor	Capacity	Max. Speed(rpm)	Max. RCF(xg)
No.1	Angle Rotor	12*10ml	5000	4390
No.2	Swing Bucket Rotor	4*100ml	5000	4390
		4*2*100ml		
		4*4*10ml		
		4*6*10ml	4000	3500
		4*8*10ml		
		4*4*15ml		
		4*6*15ml		
4*8*15ml	5000	4390		
4*50ml				
4*2*50ml	4000	3500		
No.3	Swing Rotor	4*250ml	4000	3500
		4*8*5ml		
	Adapter	4*8*7ml		
		4*8*10ml		
		4*2*50ml		
No.4	Swing Rotor	4*12*7/5ml	4000	2800
		4*18*7/5ml	4000	2800
No.6	Microplate	4*24*7/5ml	4000	2800
No.7		2*2*48well	4000	2300
No.8		2*2*96well	4000	2300

## Horizontal Autoclave

### Application:

It is applicable for the sterilization of unpacked solid instrument in department of stomatology, ophthalmology, operation room and CSSD.

### Features:

- \* Sterilizing programs for fabric, instrument, rubber and liquid.
- \* Touch screen display of temperature, pressure, time, running status and failure warning.
- \* Post-drying function makes the residual humidity of sterilized articles less than 3%.
- \* The positive pressure air-exhaust system to exhaust the cold air from chamber.
- \* Equipped with printer to print date, time and process parameters.
- \* Build-in efficient steam generator, microcomputer temperature control.
- \* Perfect four-level authority management system to avoid mis-operation.
- \* Double door optional.



### Technical Parameters:

Model	BKQ-B100(H)	BKQ-B150(H)	BKQ-B200(H)	BKQ-B300(H)
Capacity	100L	135L	185L	300L
Chamber Size(mm)	φ400*850	φ500*710	φ500*950	φ632*1000
Chamber Material	SUS304			
Max Working Pressure	0.23Mpa			
Working Temp.	115~138°C			
Temp Accuracy	±0.1°C			
Consumption	10KW	11KW		17KW
Power Supply	380V, 50HZ			
External Size(L*W*H) mm	1250*730*1660	1110*750*1742	1350*750*1742	1400*890*1780
Package Size(L*W*H) mm	1500*900*2050	1370*1000*2060	1510*890*2060	1700*1050*2090
Gross Weight(kg)	310	470	540	830

## Horizontal Pulse Vacuum Autoclave

### Application:

It can be widely used in department of stomatology and ophthalmology, operating room and other medical institutions. It is suitable for all wrapped or unwrapped solid instrument, A-class cavity instrument (dental hand-pieces and endoscopes), implantable instrument, dressing fabric and rubber tubes, etc.

### Features:

- \* Built-in efficient steam generator, microcomputer temperature control.
- \* Equipped with printer to print date, time and process parameters.
- \* Perfect four-level authority management system to avoid mis-operation.
- \* Sterilization programs for fabric, instrument, rubber, liquid, cavity, B&D test, PCD test and leakage test.
- \* Intelligent drying system to guarantee the residual humidity of instrument and dressing no more than 0.2% and 1% respectively.
- \* Over-heat auto protection device, dual door safety lock device, over pressure relief valve, short circuit protection, and overpressure protection.
- \* LCD displays temperature, pressure, time, running status, failure and warning code.
- \* Double door optional.



### Technical Parameters:

Model	BKQ-Z100(H)	BKQ-Z150(H)	BKQ-Z200(H)	BKQ-Z300(H)
Capacity	100L	135L	185L	300L
Chamber Size(mm)	φ400*850	φ500*710	φ500*950	φ632*1000
Chamber Material	SUS304			
Max Working Pressure	0.23Mpa			
Vacuum Limit	-0.08MPa			
Working Temp.	115~138°C			
Temp Accuracy	±0.1°C			
Consumption	11KW	11.5KW		18KW
Power Supply	380V, 50Hz			
External Size(L*W*H) mm	1250*730*1660	1110*750*1742	1350*750*1742	1400*890*1780
Package Size(L*W*H) mm	1500*900*2050	1370*1000*2060	1510*890*2060	1700*1050*2090
Gross Weight(kg)	310	470	540	830

## Laboratory Refrigerator



656L



1500L

### Technical Parameters

Model	BPR-5V650	BPR-5V1500
External Size(W*D*H) mm	1220*642*1885	1880*775*1956
Capacity	656L	1500L
Temp. Range	2~8°C	
Temp. Accuracy	0.1°C	
Control System	Microprocessor Control & Large Screen LED Display	
Alarm	Audible and visual alarm for: High and low temperature, Thermostat fault, Door Ajar, Power Failure	Senor fault, door Ajar
Refrigeration Type	Forced air refrigeration system	
Refrigerant	R600a, CFC Free	R134a, CFC Free
Condenser&Evaporator	High efficiency air-cooled condenser, made of copper	
Defrost	Auto defrost	
Construction	Structure	Unibody design & Mono-assembly foaming (rigid polyurethane insulation material)
	Internal Material	Spraying steel plate
	External Material	Spraying steel plate
Shelves	Adjustable shelves made of high quality steel wire	
	10 pc	12 pc
Consumption	385W	1040W
Power Supply	AC110/220V±10%, 50/60Hz	
Standard Accessory	LED lamp, Shelves, Door keys, Testing hole, Battery	
Package Size(W*D*H) mm	1335*715*2000	1940*880*2035
Gross Weight	184kg	280kg

## -25°C Freezer



BDF-25H305

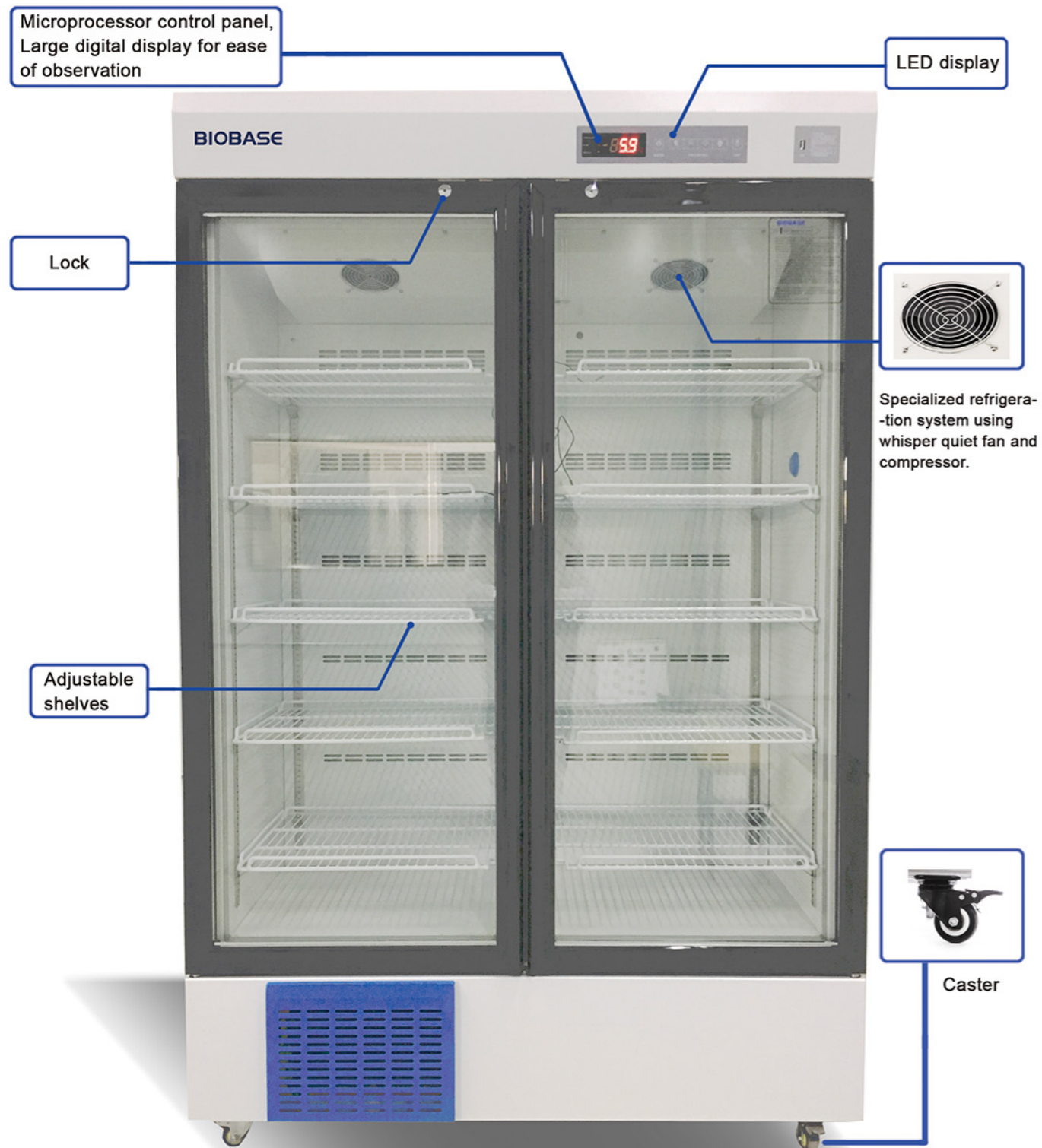
### Features

1. Digital temperature display.
2. The safety lock can prevent random opening.
3. Baskets made of steel wire are convenient to store articles.
4. Round corner design of doors and the body provides luxury and elegance.
5. Delayed start and safe stop interval between restart and being terminated, ensure reliable running.

### Technical Parameters

Model	BDF-25H305	
External Size(W*D*H) mm	1148*740*872	
Capacity	305L	
Temp. Range	-10°C~-25°C	
Temp. Accuracy	0.1°C	
Control System	Microprocessor control&LED display	
Alarm	High or low temperature alarm, sensor failure alarm, thermostat alarm, power failure alarm	
Refrigeration Type	Direct refrigeration	
Refrigerant	R134a, CFC free	
Condenser&Evaporator	Internal-mounted condenser and finned evaporator	
Construction	Structure	Whole foaming, freon cyclopentane/isopentane high density polyurethane foam
	Internal Material	Spraying steel plate
	External Material	Spraying steel plate
Basket	none	
Consumption	106W	
Power Supply	AC220V±10%,50/60Hz; AC110V±10%,60Hz	
Package Size(W*D*H)mm	1223*777*1005	
Gross Weight	87kg	

# Laboratory Refrigerator(2-8°C)



# Laboratory Refrigerator



## Technical Parameters

Model	BPR-5V160	BPR-5V250	BPR-5V310	BPR-5V588	BPR-5V1000
External Size(W*D*H) mm	500*550*1300	580*575*1810	620*575*1980	1220*630*1885	1220*860*1885
Capacity	160L	250L	310L	588L	1000L
Temp. Range	2°C~8°C				
Temp. Accuracy	0.1°C				
Control System	Microprocessor Control, Large Screen LED Display				
Alarm	Audible and visual alarm for: High and low temperature, Power failure alarm, Door ajar, Thermostat failure				
Refrigeration Type	Forced air refrigeration system				
Refrigerant	R600a, CFC Free			R134a, CFC Free	
Condenser & Evaporator	Bundy tube condenser				
Defrost	Manual defrost	Auto defrost			
Construction	Structure	Unibody Design & Mono-assembly foaming (Rigid polyurethane insulation material)			Unibody Design & Mono-assembly foaming (Polyurethane cyclopentane insulation material)
	Internal Material	Embossed aluminum sheet			Spraying steel plate
	External Material	Spraying steel plate			
Shelves	4 pc	4pc	5 pc	5 pc	
Door	Glass door with electric heating				
Consumption	136W	170W	180W	560W	
Power Supply	AC220V±10%, 50/60Hz(only for BPR-5V160) ,AC110/220V±10%, 50/60Hz				
Standard Accessories	LED Lamp,uSB port, probe access port(BPR-5V588 & BPR-5V1000)				
Optional Accessory	Temperature recorder, Temperature printer(USB port can not be selected at the same time ), probe access port				
Package Size(W*D*H) mm	590*595*1380	670*650*1870	700*650*2030	1340*750*2100	1340*980*2100
Gross Weight	51kg	68kg	84kg	248kg	280kg



## Urine Analyzer UA-100



### Features:

- ①. LCD display, keyboard operation.
- ②. Save data automatically.
- ③. Date and number can be input.
- ④. The color and limpidness can be input.
- ⑤. Single test and continuous test are available.
- ⑥. Adopt luminescence source with high brightness to minimize interference of the environment light.

### Parameters:

Model	UA-100
Throughput	120 Tests/hour
Display	LCD display
Available Strip	11A
Test Items	Urobilinogen(URO), Bilirubin(BIL), Ketone(KET), Blood(BLD), Protein(PRO), Nitrite(NIT), Leukocytes(LEU), Glucose(GLU), Specific Gravity(SG), PH, Vitamin C(VC)
Principle	Reflection of high-brightness cold light
Printer	Built-in thermal printer, paper type 57mm
Storage	1000 patient datas
Working Environment	Temperature: 15~35°C; humidity: 10~85%
Interface	Standard RS-232 port
Power Supply	AC220V±10% 50/60Hz; 110V±10% 60Hz
Package Size(W*D*H)	470*410*230mm
Gross Weight	7kg

## Urine Analyzer UA-200



### Features:

- ①. 120 samples per hour.
- ②. Sole test and continuous test.
- ③. Reports printing format is optional: "+1-" or number.
- ④. Automatically inputs and records the color and clarity of the urine samples.
- ⑤. Automatically inputs the date and medical record number, inquire conveniently.

### Technical Specifications:

Model	UA-200
Measurement Principle	Albedometry
Test Items	14 items, including GLU, BIL, KET, SG, pHI, BLD, PRO, URO, NIT, LEU, VC, CRE, CAL, MAL
Test Speed	60-120 tests/ hour
Display	LCD display
Wavelength	525-660nm
Working Environment	Temperature 50C-400C, Humidity<85%
Interface	RS-232, can connect urina <sup>II</sup> sediment analysis system, LIS system available
Storage	2000 patient datas
Printer	Built-in thermal printer
Fault Diagnosis	Self-test, standard gray-scale test
Leakage Proof	Available, avoid cross contamination
Power Supply	AC220V±10%, 50Hz
Package Size(W*D*H)	490*365*220mm
Gross Weight	7kg

## Tabletop Low Speed Centrifuge



### Features:

- \* Microcomputer control with touching panel and LCD display of speed, time and all running parameters.
- \* Brushless AC motor, free maintenance, fast acceleration and deceleration and special damping device make the motor run steady, small vibration, low noise.
- \* Conversion of RPM/RCF.
- \* 10 procedures of adjustable rise-and-fall speed from grade 0 to 9.
- \* Dynamic electric brake system.
- \* Functions: RCF selection, quick run, automatic rotor recognition, electronic imbalance detection.
- \* Alarm: Lid open, imbalance, over speed, rotor mounting abnormally.
- \* 3 tiers protection steel cover, stainless steel chamber, safe and reliable.

### Technical Parameters:

Model Number	BKC-TD5K-II Tabletop Low Speed Centrifuge
Display	LCD
Max Speed	5000rpm
Speed Accuracy	±30rpm
Max RCF	4390×g
Max Capacity	4×2×100ml
Timer	0~99h59min59s
Noise	≤65dB
Power Supply	AC220V, 50Hz, 0.5KW, 10A
Dimension	460×590×420mm
Weight	45kg

## Horizontal Cylindrical Pressure Autoclave



### Features:

- \* Drying function.
- \* Automatic sterilization process.
- \* Safety valve for over pressure protection.
- \* Over-temperature, over-pressure protection device.
- \* Interlock function.
- \* 304 stainless steel material chamber.
- \* Automatically in case of low water level.
- \* Water level sensor. The power will be cut-off .
- \* Double door optional.

### Technical Parameters:

Model	BKQ-H150	BKQ-H200	BKQ-H300	BKQ-H400	BKQ-H500
Capacity	150L	200L	280L	400L	500L
Chamber Size(mm)	φ440*1000	φ515*1000	φ600*1000	φ700*1100	φ700*1300
Working Pressure	0.22MPa				
Working Temp.	134°C				
Temperature Range	105~134°C				
Sterilization Time	0~60 min				
Drying Time	0~60 min				
Temp. Display Accuracy	≤±2°C				
Consumption	9KW		12KW	18KW	
Power Supply	220V/380V, 50/60Hz		380V, 50Hz		
External Size (W*D*H) mm	1400*600*1300	1400*670*1650	1400*770*1780	1430*880*1830	1800*900*1820
Package Size (W*D*H) mm	1550*750*1850	1560*820*1850	1680*920*2100	1600*1050*2100	1850*1050*2100
Gross Weight(kg)	320	350	465	530	580

## Hot Air Sterilizer

### Application:

Hot air sterilizer is used to sterilize small surgical instrument, glass, petri dishes etc.  
This device is suitable for medical and veterinary clinics, hospitals, pharmacies, health care centers, and laboratories.



HAS-T25/HAS-T50/HAS-T105/HAS-T200

HAS-T70

### Features:

- \* Adjustable sterilization time.
- \* Top air outlet with adjustable air volume.
- \* Over-temperature alarm.
- \* Heating up fast, forced-air convection, fast sterilization.
- \* Fan inside, fully sealed inside, no air circulation with external air, temperature rise fast.
- \* High precision microprocessor temperature control; 304 stainless steel inner chamber.

### Technical Parameters:

Model	HAS-T25	HAS-T50	HAS-T70	HAS-T105	HAS-T200
Capacity	25L	50L	70L	105L	200L
Temp. Range	RT+10~250°C				
Temp. Precision	0.1°C				
Temp. Fluctuation	±0.5°C				
Ambient Temp.	5~40°C				
Timing Range	1~9999min				
Shelves No.	2 pcs				
Consumption	500W	750W	1050W	1500W	2000W
Power Supply	AC110/220V±10%, 50/60Hz				
Internal Size(W*D*H) mm	300*300*270	420*350*350	400*375*470	550*350*520	600*550*570
External Size(W*D*H) mm	590*470*440	710*520*520	540*550*870	840*540*720	890*730*770
Package Size(W*D*H) mm	710*600*550	810*640*600	670*660*1040	950*680*880	1020*890*930
Gross Weight(kg)	45	50	75	80	100

## Table Top Autoclave Class B Series

BKM-BIII series sterilizer is a Class B table top sterilizer. As a type of high pressure sterilizer, it takes steam as its sterilization medium which is fast, safe and economic. They are common used in stomatology department, ophthalmology department, operating room and CSSD to make the sterilization for wrapped or unwrapped instrument, fabric, utensils, culture medium, unsealed liquid, etc.



BKM-Z18B(III)/24B(III)/45B(III)



BKM-Z60B(III)/80B(III)

### Features:

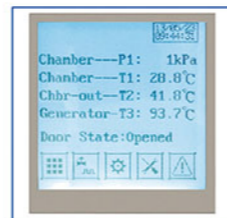
#### Built-in open type water tank

- a. Easy-clean open type water tank
- b. Water quality monitor
- c. Water filter inside
- d. Water level sensor
- e. A fully injected water tank can support repeated program running.



#### Brand-new operation interface

The LCD screen can display temperature, pressure, time, operating status, error and alarm information, etc. It is convenient for users to observe the sterilizer running status.



#### Multiple security protective device

Over temperature automatic protective device, multiple control and protection for steam generator, door safety interlock protection and dual chamber overpressure protection, electronic circuit safety device.

#### Automatic door

BKM-Z18/24/45BIII series adopt automatic door structure, fast and simple operation, protecting operators from scald. BKM-60/80BIII series adopt multipoint synchronous linkage pressing technology, reliable and durable.

#### Efficient vacuum

Efficient vacuum system, low working noise, vacuum lowest limit can reach over -90KPa, vacuum in high speed, perfect drying performance, thorough sterilization.

### Multiple program types

Sterilization programs: Unwrapped, wrapped, rubber, user 01, N-quick, B-quick, prion test program: BD& Helix, Leakage test.

Auxiliary program: Preheat, drying, washing.

### High-efficiency steam generator

BKM-Z18/24/45BIII adopt build-in instant steam generator. BKM-60/80BIII adopt build-in energy-storing type steam generator producing steam in high speed and large quantity.

### Other features

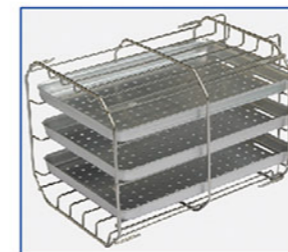
Pulse vacuum, heating, sterilization, exhausting, vacuum drying totally automatic.

The chamber is heated by film heater, saving energy and time.

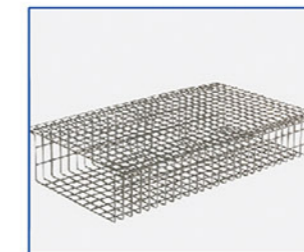
Record type: built-in printer (Standard)

Electronic storage: USB flash disk (Optional)

### Loading tray



Type A



Type B



Type C  
(Optional for 45/60/80L)

### Technical Parameters:

Model	BKM-Z18B(III)	BKM-Z24B(III)	BKM-Z45B(III)	BKM-Z60B(III)	BKM-Z80B(III)
Capacity	18 L	24L	45L	60L	80L
Chamber Size(mm)	φ250*350	φ250*450	φ316*618	φ386*595	φ386*717
Design Pressure	-0.1/0.3MPa				
Design Temp.	144°C				
Temp. Range	105~138°C				
Chamber Material	SUS304				
Standard Loading Tray	Type A		Type B		
Consumption	2.6KW		5.8KW	7.4KW	
Power Supply	AC110/220V±10%, 50/60Hz			AC220V±10%, 50/60Hz	
External Size(W*D*H) mm	530*560*450	530*660*450	640*830*550	730*1002*560	730*1002*560
Package Size(W*D*H) mm	720*780*680	720*880*700	750*1015*730	830*1180*795	830*1180*795
Gross Weight(kg)	70	80	140	185	205

## Shaker

### Orbital and Linear Shaker

Digital orbital and linear shaker is suitable for mixing in culture dishes, flasks and beakers.



**Features:**

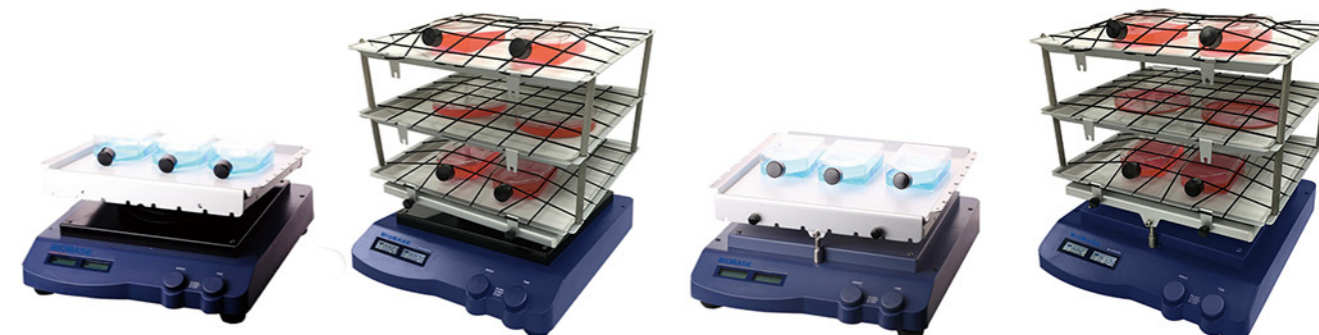
- \* Double LCDs for independent display of time and speed.
- \* Over speed detection and protection.
- \* Different platforms and fixtures for selection.
- \* Remote function provides PC control and data transmission.

**Technical Parameters:**

Model	SK-O330-Pro	SK-L330-Pro	SK-O180-Pro	SK-L180-Pro
Item No.	8032220100	8032120100	8032210100	8032110100
Shaking Motion	Orbital	Linear	Orbital	Linear
Orbital Diameter	10mm	/	4mm	/
Amplitude	/	10mm	/	4mm
Max. Shaking Weight (with attachment)	7.5kg		2.5kg	
Motor Type	Brushless DC motor			
Motor Input	28W			
Motor Output	15W			
Speed Range	100-500rpm	100-350rpm	100-800rpm	100-350rpm
Speed And Timer Display	LCD			
Time Range	1~1199min			
Operation Mode	Continuous/timed operation			
Working Environment	5~40°C, 80%RH			
Protection Type	IP21			
Connection Interface	RS232			
Consumption	30W			
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)			
Standard Accessory	1pc SK330.1 universal attachment		1pc SK180.1 universal attachment	
External Size(W*D*H)	420*370*100mm		340*300*100mm	
Package Size(W*D*H)	600*500*230mm (Shaker) 450*350*260mm (Accessory)		450*450*300mm (Shaker) 450*350*260mm (Accessory)	
Gross Weight	15kg (Shaker), 3kg (Accessory)		10kg (Shaker), 3kg (Accessory)	

## 3D and Rocking Shaker

3D shaker and Rocking shaker are suitable for mixing applications in wide fields including, gel staining and destaining, washes, hybridisations, immune precipitation and Western blots etc.



SK-D3309-Pro

SK-R330-Pro

**Features:**

- \* Double LCDs for independent display of time and speed.
- \* Different platforms and fixtures for selection.
- \* 3D shaker: gentle 3D motion with fixed angle 9°; Rocking shaker: smooth see-saw rocking motion with fixed angle 9°.
- \* Wide range of platforms for use with a variety of vessels.

**Technical Parameters:**

Model	SK-D3309-Pro	SK-R330-Pro
Item No.	8032422100	8032322100
Rocking Motion	3D orbital	See-saw rocking
Angle	9°	
Max. Load Capacity (with attachment)	5kg	10kg
Motor Type	DC motor	
Speed Range	10~70rpm	
Speed And Timer Display	LCD	
Time Range	1~1199min	
Operation Mode	Continuous/ timed operation	
Working Environment	5-40°C, 80%RH	
Motor Input	IP21	
Motor Output	40W	
Protection Type	24W	
Consumption	50W	
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)	
Standard Accessory	1pc SK330.5 petri dish platform	
External Size(W*D*H)	360*430*106mm	360*410*200mm
Package Size(W*D*H)	710*500*460mm	560*490*350mm
Gross Weight	20kg	15.5kg

## Laboratory Refrigerator



BPR-5V50(G)



BPR-5V100(G)

### Technical Parameters

Model	BPR-5V50(G)	BPR-5V100(G)
External Size(W*D*H)mm	495*548*683	495*548*934
Internal Size(W*D*H)mm	415*405*455	415*405*706
Capacity	50L	100L
Temperature Range	2-8°C	
Temperature Accuracy	0.1°C	
Control System	Microprocessor Control	
Alarm	Audible and visual alarm for: High and low temperature,Door Ajar, Thermostat failure	
Refrigeration Type	Forced air refrigeration system	
Refrigerant	R600a	
Climate Type	N, SN	
Glass Door	Toughened with electric heating function,no condensation	
Construction	Constructure	Polyurethane cyclopentane foams
	Internal material	Spraying steel plate
	External material	Spraying steel plate
Consumption	85W	95W
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 50/60Hz	
Shelves	2pc, cold drawn steel wire impregnated shelf	3 pc,cold drawn steel wire impregnated shelf
Door Lock	1 pc	
Accessory	Standard: USB Port, LED Lamp	
	Optional: temperature recorder, printer(usbport can not be selected at the same time )	
Package Size(W*D*H)mm	560*668*858	560*668*1109
Gross Weight(kg)	49	61

## Laboratory Refrigerator



260L



360L

### Technical Parameters

Model	BPR-5V260	BPR-5V360
External Size(W*D*H) mm	540*635*1900	660*655*1980
Capacity	260L	360L
Temp. Range	2°C~8°C	
Temp. Accuracy	0.1°C	
Control System	Microprocessor Control, Large Screen LED Display	
Alarm	Audible and visual alarm for: High temperature & sensor failure,door ajar, Power failure alarm, Low battery alarm.	
Refrigeration Type	Forced air refrigeration system	
Refrigerant	R134a, CFC Free	
Condenser & Evaporator	Bundy tube condenser	
Defrost	Frostless design	
Construction	Structure	Unibody design & mono-assembly foaming (Rigid polyurethane insulation material)
	Internal material	HIPS engineering plastics, abrasion and acid resistant
	External material	Cold-rolled steel coated with anti-bacteria powder
Shelves	Adjustable shelves made of high quality steel wire	
	4 pc	5 pc
Consumption	200W	350W
Power Supply	AC220V±10%, 50/60Hz	
Standard Accessory	LED lamp & shelves, USB, probe access port, door keys	
Package Size(W*D*H) mm	600*670*2150	720*750*2150
Gross Weight(kg)	87	124

## Constant-Temperature Incubator

### Features:

- \* Intelligent temperature controller, based on microprocessor with PID parameters controlling function, and LCD display make temperature accurate and reliable.
- \* The double door makes the temperature fluctuation small. The toughened-glass inner door is convenient to observe chamber condition without affecting chamber temperature.
- \* The working chamber adopts stainless steel and round angle structure, easy to clean.



BJPX-H30



BJPX-H50/80/160/270

**Optional Accessories:** \* Independent temperature protector.

### Technical Parameters:

Model	BJPX-H30	BJPX-H50	BJPX-H80	BJPX-H160	BJPX-H270
Capacity	30L	50L	80L	160L	270L
Temp. Range	RT+5~65°C				
Temp. Fluctuation	±0.3°C				
Time Setting	1~9999mins				
Alarm	Over-temperature alarm;audible and visual alarm.				
Shelves	2 pcs/adjustable			3 pcs/adjustable	
Consumption	200W	210W	280W	380W	570W
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110±10%, 60Hz(Optional)				
Internal Size(mm)	320*300*315	350*350*410	400*400*500	500*500*650	600*600*750
External Size(mm)	650*470*510	510*520*800	580*570*890	680*670*1050	770*780*1150
Package Size(mm)	780*600*680	600*610*850	670*650*940	800*790*1200	890*890*1300
Gross Weight(kg)	45	55	57	90	130

## Constant-Temperature Incubator

### Features:

- \* Large LED display, multiple groups of data to be displayed at a time; function of timing and over-temperature protection.
- \* Two-layer toughened-glass observation window.



BJPX-H30/48/64/123II



BJPX-H230II

### Technical Parameters:

Model	BJPX-H30II	BJPX-H48II	BJPX-H64II	BJPX-H123II	BJPX-H230II
Capacity	30L	45L	65L	125L	230L
Temp. Range	RT+5~80°C				
Temp. Fluctuation	±0.2°C				
Time Setting	1~9999mins				
Shelves	2 pcs/adjustable				
Consumption	150W	250W	500W	600W	700W
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110±10%, 60Hz(Optional)				
Internal Size(mm)	310*310*310	350*350*350	400*360*450	500*450*550	600*500*750
External Size(mm)	460*510*695	500*550*735	550*550*840	636*680*915	730*670*1220
Package Size(mm)	550*570*765	620*585*800	640*640*905	730*720*1000	900*800*1350
Gross Weight(kg)	51	56	62	71	105



# Garanzia di Qualità del Processo di Produzione

## Quality Assurance of the Production Process

### n. ECM PED-D1 2018-DD33

Rilasciato i sensi della Direttiva 2014/68/UE – Allegato III  
Issued according to 2014/68/EU Directive – Annex III

#### Fabbricante

#### Manufacturer

Ragione Sociale

Company Name

Sede Legale

Registered office

Sede Operativa

Headquarters

Descrizione dell'attrezzatura/insieme  
Equipment/assemblies description

Modelli

Models

Fascicolo Tecnico n°

Technical file no.

Dati tecnici

Technical Data

BIOBASE BIODUSTRY (SHANDONG) CO., LTD.

No.2717 Gongyeyi Road, Mingshui Economic Developing Zone, Zhangqiu, Jinan, Shandong, China

No.2717 Gongyeyi Road, Mingshui Economic Developing Zone, Zhangqiu, Jinan, Shandong, China

Table Top Autoclave, Vertical Autoclave, Hand Wheel Vertical Autoclave, Horizontal Autoclave, Large Horizontal Autoclave, Cassette Sterilizer, Portable Autoclave

BKM-Series, BKQ-Series, BKS-Series

TPMJ201806222564

V: 1.8 to 352L

PS: -1 to 3bar

Fluid Group: 2

Temperature Range: 0 to 150°C

Questo certificato è basato sul rapporto di verifica ispettiva n. PTPRD01\_DD33 emesso il 25/06/2018.

I risultati delle verifiche periodiche del sistema qualità sono parte integrante di questa notifica.

Questo Certificato di Notifica della garanzia di qualità della produzione è valido fino al 25/06/2021 e può essere ritirato se dalle verifiche ispettive di sorveglianza risulta che il sistema di qualità della produzione non è più conforme a quanto previsto dall'allegato III modulo D1.

In accordo con quanto previsto nell'Allegato III modulo D1 della Direttiva 2014/68/UE la marcatura CE sul prodotto deve essere seguita dal n. 1282 che identifica ECM come l'Organismo Notificato incaricato della sorveglianza della produzione.

This certificate is based on the audit report no. PTPRD01\_DD33 issued on 25/06/2018.

The results of periodic audits of the quality system is an integral part of this notification.

This Certificate of Notification of production quality assurance is valid until 25/06/2021 and can be withdrawn if surveillance audits show that the quality system of production no longer complies with the provisions in Annex III module D1.

In accordance with the Annex III module D1 of Directive 2014/68/EU the CE marking must be followed by n. 1282 that identifies ECM as Notified Body responsible for supervising the production.

#### Esempio di marcatura

#### Marking example



Data di prima emissione

Date of first issue

26/06/2018

Estensione - Extension

Rinnovo - Renewal

Valsamoggia (BO)

Data - Date

26/06/2018

Timbro



Firma autorizzata

Authorized signature

Amanda Payne  
(Deputy Manager)

Scadenza- Expiry date 25/06/2021

Questo certificato, compreso l'allegato, può essere riprodotto solo integralmente e senza alcuna variazione. Pagina 1 di 2  
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## Ente Certificazione Macchine srl

Via Ca' Bella 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO)

+39 0516705141 +39 0516705156 ecm@entecerma.it www.entecerma.it





# Allegato al Certificato n. *Appendix to Certificate no.* **n. ECM PED-D1 2018-DD33**

Rilasciato i sensi della Direttiva 2014/68/UE – Allegato III  
*Issued according to 2014/68/EU Directive – Annex III*

**Richiedente**

**Applicant**

Ragione Sociale

*Company Name*

Sede Legale

*Registered office*

Sede Operativa

*Headquarters*

Apparecchio/insieme

*Equipment/assembly*

BIOBASE BIODUSTRY (SHANDONG) CO., LTD.

No.2717 Gongyeyi Road, Mingshui Economic Developing Zone, Zhangqiu, Jinan, Shandong, China

No.2717 Gongyeyi Road, Mingshui Economic Developing Zone, Zhangqiu, Jinan, Shandong, China

Table Top Autoclave, Vertical Autoclave, Hand Wheel Vertical Autoclave, Horizontal Autoclave, Large Horizontal Autoclave, Cassette Sterilizer, Portable Autoclave

**Apparecchio soggetto a sorveglianza**

***Equipment subjected to surveillance***

BKM-Series, BKQ-Series, BKS-Series

Valsamoggia (BO)

Data - *Date* 26/06/2018

Firma autorizzata  
*Authorized signature*

Timbro



*Amanda Payne*  
Amanda Payne  
(Deputy Manager)

Scadenza- *Expiry date* 25/06/2021

**FINE DEL CERTIFICATO – END OF CERTIFICATE**

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**CELAB®**

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04100 Latina  
Italy

[celab@celab.com](mailto:celab@celab.com)



# CERTIFICATE

Certificate Number **UCN** : **802497389091**  
Job : J27439  
Date of Issue : 2019-09-09  
Certificate valid up to : 2023-09-08

Brand Name : See Label  
Type : Automatic chemistry analyzer  
Model N : BK-1200, BK-800, BK-600, BK-500, BK-400, BK-280, BK-200, BK-200mini


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

Standard Used : EN 60601-1:2006+A1:2013

**Conclusion :**

After inspection of the technical documentation issued by the customer, and in his request, we express our opinion that the product meets the technical requirement of the following directives and standards:  
93/42/EEC Medical devices (MDD)

This opinion is only valid for the directive, the equipment and configuration described, in conjunction with the test data detailed above and with compliance with all applicable legal requirement for the product .  
The following manufacturer documents was inspected:

Presence of Declaration of conformity template	✓ OK
Presence of test report using standards as indicated in the declaration of conformity Test report reference : ESC-BBBS-2019-09-1C	✓ OK
Presence of  symbol in the product label.	✓ OK
Presence of instruction manual	✓ OK
Use of valid Harmonized standard in the declaration of conformity	✓ OK
Presence of product description in the technical construction file	✓ OK

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Massimiliano Bertoldi  
General Manager – CELAB  
[www.celab.com](http://www.celab.com)

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Presence of product description in the technical construction file	✓ OK

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Massimiliano Bertoldi  
General Manager – CELAB  
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# BIOBASE

ADD: BIOBASE Headquarters, No. 9 Gangxing Road, Pilot Free Trade Zone of Jinan, Shandong, China  
TEL: +86-531-81219803 FAX: +86-531-81219804  
E-MAIL: export@biobase.cn WEBSITE: www.biobase.cc / www.meihuatrade.com

## DECLARATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully

2014/35/EU Low Voltage Directive and 2014/30/EU Electromagnetic Compatibility Directive have been taken as reference for these processes

Company Name: Biobase Disinfection (Shandong) Co., Ltd.  
BIOBASE Headquarters, No. 9 Gangxing  
Road, Pilot Free Trade Zone of Jinan, Shandong, China

Related Directives and Annex: **2014/35/EU Low Voltage Directive (LVD)**  
**2014/30/EU Electromagnetic Compatibility (EMC)**

Harmonised Standards: **EN 60601-1:2006; EN ISO 13485: 2016; EN ISO 15223-1: 2016**

Product(s): Hot Air Sterilizer

Type(s)/Model(s): HAS-T25

Classification: Laboratory Equipment

Examination Period: April 23, 2021

Date of Expiry: April 22, 2026

Review Result: We, Biobase Disinfection (Shandong) Co., Ltd., declare that during the self-testing and performance evaluation, no Non-compliance according to the requirements of the Low Voltage Directive 2014/35/EU and Electromagnetic Compatibility Directive 2014/30/EU was detected.

Year of DOC marking: **2021**

Signed for and on behalf of

Company: Biobase Disinfection (Shandong) Co., Ltd.

RA Specialist: 

Document No: BKSD-Z21042301





# C E R T I F I C A T E

## ATTESTATION CERTIFICATE OF MACHINERY AND ELECTROMAGNETIC COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive 2014/30/EU Electromagnetic Compatibility Directive and 2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : **Jinan Biobase Biotech Co., Ltd.**

Company Address : No.51 South Gongye Road, Jinan, Shandong, China 250101

Related Directives and Annex : **2006/42/EC Machinery Directive**  
**2014/35/EU Low Voltage Directive**  
**2014/30/EU Electromagnetic Compatibility Directive**

Related Standards : **EN ISO 12100:2010, EN 60204-1:2006+A1:2009+AC:2010**  
**EN 61010-1:2010, EN 61326-1:2013**

Product Name : **Low Temperature Freezer**

Report No and Date : TELMJ201810082771

Product Brand/Model/Type : BDF-25H150, BDF-25H200, BDF-25H300, BDF-25H389,  
BDF-25H525, BDF-25V259, BDF-25V450, BDF-25V268,  
BDF-25V270, BDF-25V328, BDF-40V253, BDF-40V288,  
BDF-40V288A, BDF-40V525, BDF-40V450, BDF-40V90,  
BDF-40V270, BDF-40V268, BDF-40V328, BDF-40H100,  
BDF-40H200, BDF-40H300, BDF-40H390, BDF-40H485,  
BDF-60H58, BDF-60H118A, BDF-60H218, BDF-60H318,  
BDF-60H458, BDF-86V158, BDF-86V340, BDF-86V936,  
BDF-86V100, BDF-86V108, BDF-86V308, BDF-86V528,  
BDF-86V540, BDF-86V388, BDF-86V398

Certificate Number : **M.2018.201.N7086**

Initial Assessment Date : 17.10.2018

Registration Date : 18.10.2018

Reissue Date/No : -

**Expiry Date : 17.10.2023**

  
UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.

The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)

**Address:** Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya – Ankara – TURKEY

**Phone:** +90 0312 443 03 90 **Fax:** +90 0312 443 03 76

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# C E R T I F I C A T E

## ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed  
2014/30/EU Electromagnetic Compatibility Directive and  
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Biobase Biodustry (Shandong) Co., Ltd.

Company Address : No.2717 Gongyeyi Road,Mingshui Economic Developing Zone,  
Zhangqiu,Jinan,Shandong,China

Related Directives and Annex : 2014/35/EU Low Voltage Directive  
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 61010-1:2010;EN 61326-1:2013

Product Name : Incubator

Report No and Date : OUCE-SH-174058

Product Brand/Model/Type : BJPX-C50,BJPX-C80,BJPX-C160,BJPX-C270,BJPX-H30,BJPX-H48II,BJPX-H50,  
BJPX-H64II,BJPX-H80,BJPX-H123II,BJPX-H160,BJPX-H230II,BJPX-H270,  
BJPX-B80,BJPX-B150,BJPX-B200,BJPX-B250,BJPX-B300,BJPX-B400,BJPX-HT150,  
BJPX-HT200,BJPX-HT250,BJPX-HT300,BJPX-HT400,BJPX-M150,BJPX-M200,  
BJPX-M250,BJPX-M300,BJPX-M400,BJPX-A250,BJPX-A300,BJPX-A400,  
BJPX-A500,BJPX-L150,BJPX-L250,BJPX-L300,BJPX-L400,BJPX-L500,BJPX-G,  
BJPX-200BX,BJPX-200CX,BJPX-P10,BJPX-P20,BJPX-103B,BJPX-100B,BJPX-200B,  
BJPX-1102,BJPX-2102,BJPX-1102C,BJPX-2102C,BJPX-2012,BJPX-2012R

Certificate Number : M.2016.201.N1827  
Initial Assessment Date : 15.08.2017  
Registration Date : 16.08.2017  
Reissue Date/No : -  
Expiry Date : 15.08.2022

  
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Auditing Training Centre Industry  
and Trade Co. Ltd.

The validity of the certificate can be checked through [www.udemltd.com.tr](http://www.udemltd.com.tr). The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Co. Ltd. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)  
Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY  
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# CERTIFICATE

## ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.

2014/30/EU Electromagnetic Compatibility Directive and  
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : **Biobase Biodustry (Shandong) Co., Ltd.**

Company Address : Biobase Biodustry Park, Crossing of East Jingshi Road and Mingbu Road, Mingshui Economic Development Zone, Zhangqiu, Jinan, Shandong, China

Related Directives and Annex : **2014/35/EU Low Voltage Directive**  
**2014/30/EU Electromagnetic Compatibility Directive**

Related Standards : **EN 61010-1:2010; EN 61326-1:2013**

Product Name : **Refrigerator**

Report No and Date : TELMJ1903223021

Product Brand/Model/Type : BPR-5V50(G), BPR-5V50(F), BPR-5V70(G), BPR-5V70(F), BPR-5V95(G), BPR-5V95(F), BPR-5V100(G), BPR-5V100(F), BPR-5V130(G), BPR-5V130(F), BPR-5V260, BPR-5V360, BPR-5V650, BPR-5V758, BPR-5V1000, BPR-5V1500, BPR-5V160, BPR-5V250, BPR-5V310, BPR-5V588, BBR-4V120, BBR-4V160, BBR-4V210, BBR-4V250, BBR-4V310, BBR-4V650, BBR-4V1000

Certificate Number : **M.2019.206.C0569**

Initial Assessment Date : 03.04.2019

Registration Date : 04.04.2019

Reissue Date/No : -

**Expiry Date** : **03.04.2024**

The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)

**Address:** Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya – Ankara – TURKEY

**Phone:** +90 0312 443 03 90 **Fax:** +90 0312 443 03 76

**E-mail:** [info@udemltd.com.tr](mailto:info@udemltd.com.tr) [www.udem.com.tr](http://www.udem.com.tr)

  
UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.

CE



# BIOBASE

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TEL: +86-531-81219803 FAX: +86-531-81219804  
E-MAIL: export@biobase.cn WEBSITE: www.biobase.cc / www.meihuatrade.com

## DECLARATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully

Low Voltage Directive 2014/35/EU and Electromagnetic Compatibility Directive 2014/30/EU have been taken as reference for these processes

Company Name: **Biobase Bioindustry (Shandong) Co.,Ltd.**  
No. 51 South Gongye Road, Jinan, Shandong Province, China

Related Directives and Annex: **2014/35/EU Low Voltage Directive (LVD)**  
**2014/30/EU Electromagnetic compatibility (EMC)**

Related Standards: **EN 61010-1:2010; EN 61326-1:2013**

Product(s): **Hot Air Sterilizer**

Type(s)/Model(s): **HAS-T25/HAS-T50/HAS-T70/HAS-T105/HAS-T200/HAS-230FE**

Classification: **Laboratory Equipment**

Examination Period: **April 7, 2018**

Date of Expiry: **April 6, 2023**

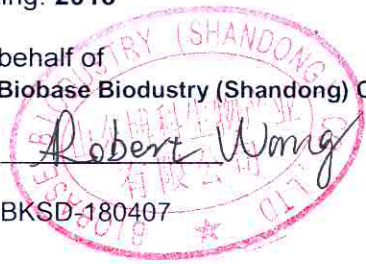
Review Result: **During the examination of the provided Technical Documentation, no Non-compliance according to the requirements of the Low Voltage Directive 2014/35/EU and Electromagnetic Compatibility Directive 2014/30/EU was detected.**

Year of DOC marking: **2018**

Signed for and on behalf of  
Company: **Biobase Bioindustry (Shandong) Co.,Ltd.**

General Manager: 

Document No: **BKSD-180407**





# BIOBASE

BIOBASE BIODUSTRY (SHANDONG) CO., LTD.  
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## DECLARATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully

In Vitro Diagnostic Medical Devices Directive 98/79/EC has been taken as reference for these processes

Company Name: **BIOBASE BIODUSTRY (SHANDONG) CO., LTD.**  
No. 51 South Gongye Road, Jinan, Shandong Province, China

Relevant Directive: **In Vitro Diagnostic Medical Devices Directive-IVDD 98/79/EC**

Product(s): **Urine Analyzer**

Type(s)/Model(s): **UA-100; UA-200; UA-210; UA-240; UA-1800**

Harmonised standard(s): **EN 61010-2-101:2002; EN 61326-2-6:2006; EN ISO 15223-1:2016; EN ISO 13485:2016; EN ISO 14971:2012; EN ISO 18113-1:2011; EN ISO 18113-3:2011; EN 62366:2008**

Classification: others (according to In Vitro Diagnostic Medical Devices Directive)

Examination Period: April 15, 2019

Date of Expiry: April 14, 2024

Review Result: We, Biobase Biodustry (Shandong) Co., Ltd, declare that during the self-testing and performance evaluation, no non-compliance according to the requirements of the Annex II & III of IVDD 98/79/EC has been detected.

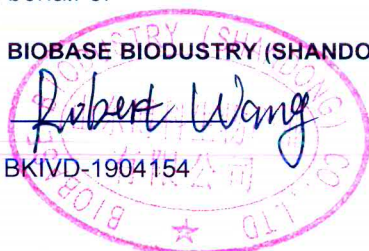
Year of DOC marking: **2019**

Signed for and on behalf of

Company: **BIOBASE BIODUSTRY (SHANDONG) CO., LTD.**

General Manager: *Robert Wang*

Document No: BKIVD-1904154



# BIOBASE

Biobase Biodustry (Shandong) Co., Ltd  
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## DECLARATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully

Low Voltage Directive 2014/35/EU and Electromagnetic Compatibility Directive 2014/30/EU and 2006/42/EC Machinery Directive have been taken as reference for these processes

Company Name: **Biobase Biodustry (Shandong) Co., Ltd**  
BIOBASE Headquarters, No. 9 Gangxing  
Road, Pilot Free Trade Zone of Jinan, Shandong, China

Related Directives and Annex: **2014/35/EU Low Voltage Directive (LVD)**  
**2014/30/EU Electromagnetic Compatibility (EMC)**  
**2006/42/EC Machinery Directive(MD)**

Related Standards: **EN 61010-1:2010; EN 61326-1:2013**  
**EN 292-1:1991; EN 292-2:1991; EN 1050:1997**

Product(s): **Shaker**

Type(s)/Model(s): **SK-O330-Pro**

Classification: **Laboratory Equipment**

Examination Period: **June 16, 2021**

Date of Expiry: **June 15,2026**

Review Result: We, Biobase Biodustry (Shandong) Co.,Ltd, declare that during the self-testing and performance evaluation, no Non-compliance according to the requirements of the Low Voltage Directive 2014/35/EU and Electromagnetic Compatibility Directive 2014/30/EU and Machinery Directive 2006/42/EC was detected.

Year of DOC marking: **2021**

Signed for and on behalf of

Company: **Biobase Biodustry (Shandong) Co., Ltd**

RA Specialist: 

Document No: **BKSD-Z21061601**





This is to certify that the Quality Management System of

**Biobase Biodustry (Shandong) Co., Ltd.**

Unified Social Credit Code : 9137018179889855X7

Operation Address : Biobase Biodustry Park, Crossing of East Jingshi Road and Mingbu Road, Mingshui Economic Development Zone, Zhangqiu, Jinan City, Shandong Province, China(Production);No.51, South Gongye Road, Jinan City, Shandong Province, China(Sale)

Registered Address : Biobase Biodustry Park, Crossing of East Jingshi Road and Mingbu Road, Mingshui Economic Development Zone, Zhangqiu, Jinan City, Shandong Province, China

applicable to

R & D, production and sales of in vitro diagnostic kit(see attachment for details), biosafety cabinet, medical aerosol absorber, pressure steam sterilizer, blood bank refrigerator, microbial incubator and automated ELISA processor(within the scope of license qualification)

has been assessed and registered by NQA against the provisions of

**ISO 13485: 2016**

This registration is subject to the company maintaining a quality management system, to the above standard, which will be monitored by NQA.

Certified Clients shall accept regular surveillance assessments, the validity of certificates shall be maintained for the positive result of audit.

The information of this certificate can be checked on CNCA's website ([www.cnca.gov.cn](http://www.cnca.gov.cn))

SNQA's website : [www.snqa.com.cn](http://www.snqa.com.cn)

*M Combsley*

Managing Director

Certificate Number **45014**

Date: 09 July 2018

Valid Until: 09 July 2021

EAC Code: 19





## Biobase Biodustry (Shandong) Co., Ltd.

### Annex I

1. Triglyceride detection kit (enzyme colorimetric method)
2. Low density lipoprotein cholesterol test kit (direct method)
3. High-density lipoprotein cholesterol test kit (direct method)
4. Total cholesterol test kit (enzyme colorimetric method)
5. Creatine kinase isoenzyme detection kit (IFCC recommended method)
6. Total bilirubin test kit (diazo-2,4-dichloroaniline colorimetric method)
7. Alanine aminotransferase detection kit (IFCC recommendation method)
8. Cholinesterase detection kit (butyryl thiocholine method)
9. Glucose detection kit (oxidase method)
10. Chlorine detection kit (mercury thiocyanate colorimetric method)
11. Magnesium detection kit (colorimetric method)
12. Carbon dioxide detection kit (enzymatic method)
13. Inorganic phosphorus detection kit (colorimetric method)
14. Apolipoprotein A1 detection kit (immunotransparency turbidity method)
15. Glucose detection kit (hexose kinase method)
16. Creatinine test kit (enzymatic method)
17. Calcium detection kit (arsenazo III method)
18. Glycosylated serum protein detection kit (two points method)
19. Lipoprotein (a) detection kit (immunotransparency turbidity method)
20. Total protein detection kit (biuret method)
21. Aspartate aminotransferase detection kit (IFCC recommended method)
22. Alkaline phosphatase test kit (IFCC recommended method)
23. Albumin detection kit (bromocresol green method)
24. Apolipoprotein B detection kit (immunotransparency turbidity method)
25. Urea detection kit (urease-glutamate dehydrogenase method)

*M. Combsley*

Managing Director



015

Certificate Number **45014**

Date: 09 July 2018

Valid Until: 09 July 2021

EAC Code: 19





## Biobase Biodustry (Shandong) Co., Ltd.

### Annex II

26.  $\alpha$ -amylase detection kit (EPS-G7 method)
27.  $\alpha$ -hydroxybutyrate dehydrogenase detection kit (DGKC recommended method)
28. Rheumatoid factor detection kit (immunotransparency turbidity method)
29. Total bile acid detection kit (circulating enzyme method)
30.  $\gamma$ -glutamyl transferase detection kit (SZASZ method)
31. Lactate dehydrogenase detection kit (DGKC recommended method)
32. Direct bilirubin test kit (diazo-2,4-dichloroaniline colorimetric method)
33. Adenosine deaminase detection kit (enzymatic method)
34. Creatine kinase test kit (IFCC recommended method)
35. Creatinine test kit (bitter acid method)
36. Urine microalbumin detection kit (immunotransparency turbidity method)
37. Uric acid detection kit (TBHBA method)
38. Total cholesterol test kit (oxidase method)
39. Sodium detection kit (enzymatic method)
40. Potassium detection kit (enzymatic method)
41. Serum iron detection kit (pyrazine method)
42. Zinc test kit (colorimetric method)
43. Copper detection kit (colorimetric method)
44. 5'-ribonucleotide hydrolase detection kit (colorimetric method)
45. Monoamine oxidase detection kit (colorimetric method)
46. Alpha-fetoprotein detection kit (immunoturbidimetry)
47. Ammonia detection kit (glutamate dehydrogenase two-point method)
48. Leucine aminopeptidase detection kit (colorimetric method)
49. Cystatin C detection kit (immunoturbidimetry)
50.  $\beta$ 2-microglobulin detection kit (latex enhanced immunoturbidimetry)

*M Combsley*

Managing Director



015

Certificate Number **45014**

Date: 09 July 2018

Valid Until: 09 July 2021

EAC Code: 19





## Biobase Biodustry (Shandong) Co., Ltd.

### Annex III

51. N-acetyl- $\beta$ -D-glucosaminidase detection kit (colorimetric method)
52. Triglyceride detection kit (oxidase method)
53. Homocysteine detection kit (enzymatic method)
54. Apolipoprotein E test kit (immunoturbidimetry)
55. Phospholipid test kit (oxidase method)
56. Glucose detection kit (glucose oxidase method)
57. Glycosylated hemoglobin detection kit (enzymatic method)
58. D3 hydroxybutyric acid detection kit (enzymatic method)
59. Lactic acid test kit (enzyme color method)
60. Myoglobin detection kit (immunoturbidimetry)
61. Angiotensin converting enzyme detection kit (colorimetric method)
62. Lactate dehydrogenase isoenzyme 1 detection kit (lactic acid matrix rate method)
63. Lipase detection kit (enzyme coloring method)
64. Pepsinogen I detection kit (immunoturbidimetry)
65. Pepsinogen II detection kit (immunoturbidimetry)
66. Anti-streptococcus O detection kit (immunoturbidimetry)
67. High-sensitivity C-reactive protein detection kit (immunoturbidimetry)
68. Pre-albumin detection kit (immunoturbidimetry)
69. Transferrin detection kit (immunoturbidimetry)
70. Glucose-6-phosphate dehydrogenase detection kit (UV rate method)
71. D-dimer detection kit (immunoturbidimetry)
72. Complement C3 detection kit (immunoturbidimetry)
73. Complement C4 detection kit (immunoturbidimetry)
74. Immunoglobulin IgA detection kit (immunoturbidimetry)
75. Immunoglobulin IgG detection kit (immunoturbidimetry)

*M Combsley*

Managing Director



Certificate Number **45014**

Date: 09 July 2018

Valid Until: 09 July 2021

EAC Code: 19





**Biobase Biodustry (Shandong) Co., Ltd.**

**Annex IV**

- 76. Immunoglobulin IgM detection kit (immunoturbidimetry)
- 77.  $\alpha$ 1-acid glycoprotein detection kit (immunoturbidimetry)
- 78.  $\alpha$ 1-antitrypsin detection kit (immunoturbidimetry)
- 79. Ethanol detection kit (enzymatic method)
- 80. Apolipoprotein A2 detection kit (immunoturbidimetry)
- 81. Apolipoprotein C2 detection kit (immunoturbidimetry)
- 82. Apolipoprotein C3 detection kit (immunoturbidimetry)
- 83. Anti-thrombin III detection kit (immunoturbidimetry)
- 84. B factor detection kit (immunoturbidimetry)
- 85. C-reactive protein detection kit (immunoturbidimetry)
- 86. Direct bilirubin detection kit (vanadate oxidation method)
- 87. Direct bilirubin detection kit (oxidase method)
- 88. Fibrinogen detection kit (immunoturbidimetry)
- 89. Ferritin detection kit (latex enhanced immunoturbidimetry)
- 90. Fiber binding protein detection kit (immunoturbidimetry)
- 91. Glutamate dehydrogenase detection kit (enzymatic method)
- 92. Glycyl valine dipeptidyl aminopeptidase detection kit (enzymatic method)
- 93. Glycosylated hemoglobin detection kit (latex enhanced immunoturbidimetry)
- 94. Homocysteine detection kit (enzymatic method)
- 95. Immunoglobulin E detection kit (immunoturbidimetry)
- 96. Ischemic modified albumin detection kit (colorimetric method)
- 97. Aspartate aminotransferase mitochondrial isoenzyme detection kit (enzyme inhibition method)
- 98. Plasminogen detection kit (immunoturbidimetry)
- 99. Retinol binding protein detection kit (immunoturbidimetry)
- 100. Total bilirubin test kit (vanadate oxidation method)

*M Combsley*

Managing Director



Certificate Number **45014**

Date: 09 July 2018

Valid Until: 09 July 2021

EAC Code: 19





**Biobase Biodustry (Shandong) Co., Ltd.**

**Annex V**

- 101. Total bilirubin test kit (oxidase method)
- 102. Troponin I test kit (latex enhanced immunoturbidimetry)
- 103. Unsaturated iron binding force detection kit (Ferene method)
- 104. Urine total protein detection kit (colorimetric method)
- 105.  $\alpha$ 1-microglobulin test kit (latex enhanced immunoturbidimetry)
- 106. Fibrin and fibrinogen decomposition product determination kit (latex immunoturbidimetry)
- 107. Haptoglobin assay kit (immunoturbidimetry)
- 108. Procalcitonin assay kit (latex immunoturbidimetry)
- 109. Glycocholic acid assay kit (latex immunoturbidimetry)
- 110. Free fatty acid determination kit (ACS-PAP method)
- 111. Glycated albumin assay kit (peroxidase method)
- 112.  $\alpha$ 2 macroglobulin determination kit (immunoturbidimetry)
- 113. Heart-shaped fatty acid binding protein assay kit (latex immunoturbidimetry)
- 114. Anti-cyclic citrullinated peptide antibody assay kit (latex immunoturbidimetry)
- 115. Neutrophil gelatinase-related lipocalin assay kit (latex immunoturbidimetry)
- 116. Sialic acid assay kit (neuraminidase method)

*M Combs*  
Managing Director

Certificate Number **45014**

Date: 09 July 2018  
Valid Until: 09 July 2021  
EAC Code: 19

