



MEDICAL BIOLOGICAL SAFETY CABINETS

MEDICAL BIOLOGICAL SAFETY CABINETS BEM1BM1 TO BEM1BM5

PCR CABINET



LCD Display

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

Waterproof Socket, 2 waterproof sockets are located inside the panel, for optimum convenience of using small devices inside the cabinet.

Side Glass Window, Side glass windows maximize light and visibility inside the cabinet, providing a bright and 'open working environment.

Shelf with IV Bar

1. LCD display (LED display for PCR1000).

2. UV sterilization system.

3. HEPA filter efficiency 99.999% at 0.3µm.

4. With memory function in case of power-failure.

5. Interlock function: UV lamp only can be switched on when the front window is

SPECIFICATIONS

Model	BEM1BM1	BEM1BM2	BEM1BM3	BEM1BM4	BEM1BM5
Old Model	BPCR-101	BPCR-102	BPCR-103	BPCR-104	BPCR-105
External Size (W*D*H)	800*700*1770mm	1000*705*1770mm	1200*700*1770mm	1300*700*1770mm	1500*700*1770mm
Internal Size (W*D*H)	700*595*550mm	900*595*560mm	1100*595*550mm	1200*595*550mm	1400*595*550mm
Work Surface Height	750mm				
Material	Main Body: Cold-rolled steel with anti-bacteria powder coatingWork Table: 304 stainless steel				
Front & Side Windows	5mm toughened glass , anti-UVMotorized	5mm toughened glass , anti-UVManual	5mm toughened glass , anti-UVMotorized		
Max Opening	300mm	320mm	300mm		
Pre-Filter	Polyester fiber, Washable				
HEPA Filter	99.995% efficiency at 0.3μm				
Airflow Velocity	0.3-0.5m/s, speed adjustable				
Noise	≤65dB				
UV Lamp	20W*1Emission of 253.7 nanometers, with UV timer	20W*2Emission of 253.7 nanometers, with UV timer	30W*1Emission of 253.7 nanometers, with UV timer		40W*1Emission of 253.7 nanometers, with UV timer
LED Lamp	8W*2		12W*2		
Illumination	≥350lx				
Shelf with IV Bar	Stainless steel, 502*150*50mm (W*D*H)				
Caster	Universal caster with leveling feet				
Consumption	400W	300W	600W		
'Waterproof Socket	Two, total load≤500W				
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Standard Accessory	UV lamp, Fluorescent lamp, Base stand, Waterproof socket*2, Shelf with IV bar				

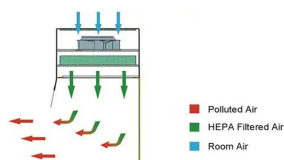
Optional Accessory	Electric height adjustable base stand				
Gross Weight	168kg	178kg	220kg	231kg	250kg
Package Size (W*D*H)	960*940*1450mm	1150*930*1450mm	1350*930*1450mm	1450*930*1450mm	1650*930*1450mm
Alt Name	PCR Cabinet				



BEM1BM1 BEM1BM3 BEM1BM4
BEM1BM5



BEM1BM2



BEM1BM2

FEATURES

LCD Display



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



Waterproof Socket, 2 waterproof sockets are located inside the panel, for optimum convenience of using small devices inside the cabinet.



Side Glass Window, Side glass windows maximize light and visibility inside the cabinet, providing a bright and 'open working environment.



Shelf with IV Bar



1. LCD display (LED display for PCR1000).
2. UV sterilization system.
3. HEPA filter efficiency 99.999% at 0.3 μ m.
4. With memory function in case of power-failure.
5. Interlock function: UV lamp only can be switched on when the front window is closed, ensuring operator safety.
6. UV timer (0-90 minutes): When the setting time expires, the UV lamp automatically switches off in preparation for the next experiment.

MEDICAL BIOLOGICAL SAFETY CABINETS BEM1BT1 TO BEM1BT4

PP SPRAY FLOW CABINET

This style fume hood is a custom-made fume hood for perchloric acid. The alkaline water neutralization and circulation system behind the deflector of the fumehood is the primary neutralization system, and its function is to ensure that high concentrations of perchloric acid residues do not accumulate in the fume hood, thereby causing chemical reactions such as combustion, explosion or a lot of heat.



- LED Display
 - Waterproof socket
 - Circulating Pump
 - PP Sink (Optional), resistant to acid, alkali and anti-corrosion.
 - Water& Gas Remote, Control (Optional)
1. Made of PP material, integrally welded
 2. Resistant to strong acid, alkali and strong corrosion
 3. Solid core physical and chemical board, PP board, ceramic board and other countertop materials are optional
 4. The inside of the deflector is equipped with a spray system, which can neutralize the acid gas in the exhaust gas and then discharge it
 5. The control panel can control the lighting system, circuit system, and air vol

SPECIFICATIONS

Model	BEM1BT1	BEM1BT2	BEM1BT3	BEM1BT4
External Size (W*D*H)	1047*800*2450mm	1247*800*2450mm	1547*800*2450mm	1847*800*2450mm
Internal Size (W*D*H)	787*500*700mm	987*500*700mm	1287*500*700mm	1587*500*700mm
Work Surface Height	820mm			
Max. Opening	740mm			
Material Main Body	Made of Porcelain white PP, thickness 8mm, resistant to strong acid, alkali and anti-corrosion.			
Material Work Table	Solid core physical and chemical board			
Airflow Velocity	0.3~0.8m/s			
Exhaust volume	560m ³ /h	700m ³ /h	920m ³ /h	1130m ³ /h

Consumption	400W+370W(Pump)		500W+370W(Pump)	700W+370W(Pump)
Waterproof Socket	Two, total load≤500W			
Noise	≤68dB(A)			
Illumination	≥400lx			
LED Lamp	24W		30W	38W
Blower	Built-in PP centrifugal blower(2 blowers for FH1800(P) only); Speed adjustable; 300W			
Front Window	Resistant to acid and alkali, Manual, 5mm toughened glass, height adjustable.			
Operators	1~2		2~3	
Standard Accessory	LED light;Work table: Chemical resistant phenolic resin;4.3 meters PVC duct (2 pcs of 4.3 meters PVC dust for FH1800(P) only), Diameter: 250mm;Pipe strap*2 (4 pcs for FH1800(P) only);Base cabinet;PP centrifugal blower*1 (2 for FH1800(P) only)Waterproof socked*2			
Optional Accessory	PP work table, epoxy resin board or ceramic board;UV lamp;Electric glass doorWater tap (PP);Gas tap (PP);Water Sink			
Power Supply	220V, 50/60Hz(Standard); 110V, 60Hz(Optional)			
Package Size (W*D*H) Main Body	1188*938*1612mm;	1388*938*1612mm;	1688*938*1612mm;	1988*938*1612mm;
Package Size (W*D*H) Base Cabinet	1188*888*1000mm	1388*888*1000mm	1688*888*1000mm	1988*888*1000mm
Gross Weight	235kg	268kg	308kg	360kg
Alt Name	PP Spray Flow Cabinet			

FEATURES

LED Display



Waterproof socket



Circulating Pump



PP Sink (Optional), resistant to acid, alkali and anti-corrosion.



Water& Gas Remote, Control (Optional)



1. Made of PP material, integrally welded
2. Resistant to strong acid, alkali and strong corrosion
3. Solid core physical and chemical board, PP board, ceramic board and other countertop materials are optional
4. The inside of the deflector is equipped with a spray system, which can neutralize the acid gas in the exhaust gas and then discharge it
5. The control panel can control the lighting system, circuit system, and air volume adjustment system
6. Circulating water dilution system includes acid and alkali resistant circulating pump, water tank, water inlet and outlet structure, and complete circulating water circuit

MEDICAL BIOLOGICAL SAFETY CABINETS BEM1CO1 BEM1CO2 BEM1CO3

MINI PCR WORKSTATION

The Mini PCR Workstation is the world's exclusive nucleic acid detection workstation, specially developed for fever clinics and small clinical laboratories. Integrate traditional PCR laboratory functions into one device. Allow more small laboratories to have PCR detection capabilities.



- LCD Display: 1. Large Digital LCD display is easy to monitor.
2. All the safety parameters at a glance and ergonomically sized control panel improves user interface.
- UV Lamp: 1. Emission of 253.7 nanometers for most.
2. Efficient decontamination.
- Work Zone, Work zone is made of 304 stainless steel, Unibody design.
- Front Window, Toughened glass>5mm, anti UV.
- Waterproof Socket, 2 waterproof sockets are located in the each area, for optimum convenience of using small devices inside the cabinet.
- Windproof Plate, Effectively isolate the cross-effects of airflow in various areas.
1. Global exclusive

SPECIFICATIONS

Model	BEM1CO1	BEM1CO2	BEM1CO3
Old Model	BPCR-201	BPCR-202	BPCR-203
External Size(L*W*H)mm	1600*710*1900mm	2100*710*2000mm	2500*850*2100mm
Reagent Preparation Area Operating Area Size (L*W*H)	440*560*510	640*560*510	640*560*610

Reagent Preparation Area Pressure	Positive		
Reagent Preparation Area Airflow Velocity (m/s)	0.3~0.45		
Reagent Preparation Area Airflow Volume (m³/h)	190~290	290~430	380~560
Reagent Preparation Area Exhaust Type	/		
Specimen Preparation Area Operating Area Size (L*W*H)	560*560*510mm	660*560*510mm	1060*560*610mm
Specimen Preparation Area Pressure	Negative		
Specimen Preparation Area Airflow Velocity (m/s)	Downflow: 0.33±0.025, Inflow: 0.53±0.025		
Specimen Preparation Area Airflow Volume (m³/h)	210	250	400
Specimen Preparation Area Exhaust Type	TypeA2, 30% exhaust, 70% recirculation		
Amplification Analysis Area Operating Area Size (L*W*H)	440*560*510mm	640*560*510mm	640*560*610mm
Amplification Analysis Area Pressure	Negative		
Amplification Analysis Area Airflow Velocity (m/s)	≥0.4		
Amplification Analysis Area Airflow Volume (m³/h)	≥160	≥180	
Amplification Analysis Area Exhaust Type	30% exhaust; 70% recirculation	100% exhaust	
ULPA Filter	Four, 99.999% efficiency at 0.12µm		
Clean Level	Class 100(ISO Class 5)	Class 100, Except Amplification Analysis Area	
Front Window	Manual, Toughened glass, Anti UV		
Max Opening	400mm		480mm
Noise	≤67dB(A)		
Vibration	≤5µm		
UV Lamp	15W*3, UV timer, UV life indicator		30W*1,15W*2
LED Lamp	4W*6	8W*6	8W*4,12W*2
Illumination(lx)	≥500(Each area)	≥650(Each area)	
Sockets	The load of two sockets (Each area): 500W, total 6 sockets		
Display	Touch Screen		
Control System	Microprocessor		
Visual and Audio Alarm	Filter replacement, window over height, abnormal air flow velocity		
Work Surface Height	750 mm		
Material	Work Zone: 304 stainless steelMain Body: Cold-rolled steel with anti-bacteria powder coating		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Consumption	600W, total 2100W(With load)		1000W, total 2500W
Standard Accessory	LED lamp*6, UV lamp*4, Waterproof sockets*6	LED lamp*6, UV lamp*4, Windproof plate*2, Waterproof sockets*6	
Package Size(W*D*H)	1750*980*1400mm	2250*980*1400mm	2650*1120*1400mm
Gross Weight	400kg	450kg	500kg
Alt Name	Mini PCR Workstation		

ACCESSORIES FOR PURCHASE

No	Name	Features	Specifications
1			



1



1

No	Name	Features	Specifications
1			



1



1

No	Name	Features	Specifications
1			



1



1

No	Name	Features	Specifications
1			



1



1

No	Name	Features	Specifications
1			



1



1

No	Name	Features	Specifications
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1



1

No	Name	Features	Specifications
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1



1

No	Name	Features
1	Air Velocity Meter	Measurement Range: 0~30m/s, Accuracy: $\pm 3\%$ or $\pm 0.015\text{m/s}$, Resolution: 0.01m/s, Data log 12,700+samples. and 100 test IDs. The 9535 model comes with a telescopic straight probe. The 9535-A model comes with an articulated probe.
2	Dust Particle Counter	Particle Size Channel: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0(um), Sampling period: 1-9999s, Number of sampling point: 2~9, Sampling frequency: 2~9, Sampling quantity: 2.83L/min(0.1cfm)
3	Digital Sound Level Meter	Accuracy: $\pm 1.5\text{dB}$, Resolution: 0.1dB, Measurement Range: 30-130dB
4	Illumination Meter	Light Intensity range: 0-200,000LUX Accuracy: $\pm 3\%$ rdg $\pm 0.5\%$ f.s. ($<10,000\text{lux}$), $\pm 4\%$ rdg $\pm 10\text{dgts}$ ($>10,000\text{lux}$)
5	Foot rest	Humanization design. Material is cold-rolled steel with anti-bacteria powder coating. Can be customized.
6	Arm rest	Alleviate fatigue on operator's arms Prevent air obstruction. Adjustable height range: 85~100mm
7	Formalin Fumigation Sterilizer	Neutralizar for 8 hours and neutralize the carbonate for 8 hours. Ammonium Hydrogen Carbonate. Sterilize the cabinet with formalin formalin with ammonium hydrogen.
8	Laboratory Chair Material	Economy line-artificial leather. Backrest height: 45cm. Height range: 43~57cm.
9	Infrared Sterilizer	Two types: Type I: 36mm dimension of cavity; Type II: 22mm dimension of cavity Central high-temperature: $930^{\circ}\text{C} \pm 30^{\circ}\text{C}$, Heat-up Time: 20min ~ Size: 150*95*210mm, Package Size (W*D*H): 266*225*145mm, Weight: 1600g Power: 180W, Voltage: 110/220V, 50/60Hz.



1



2



3



4



5



6



7



8



9

FEATURES

LCD Display: 1. Large Digital LCD display is easy to monitor.

2. All the safety parameters at a glance and ergonomically sized control panel improves user interface.



UV Lamp: 1. Emission of 253.7 nanometers for most.

2. Efficient decontamination.



Work Zone, Work zone is made of 304 stainless steel, Unibody design.



Front Window, Toughened glass >5mm, anti UV.



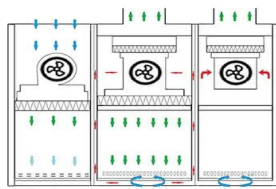
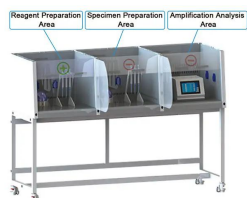
Waterproof Socket, 2 waterproof sockets are located in the each area, for optimum convenience of using small devices inside the cabinet.



Windproof Plate, Effectively isolate the cross-effects of airflow in various areas.



1. Global exclusive
2. Small dimension, save space, economical and convenient.
3. Automatic air speed adjustable with filter block.
4. With memory function in case of power-failure.
5. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
6. Audio and visual alarm: Filter replacement, window over height, abnormal air flow velocity etc.
7. Time reserve function: This can set the UV lamp and fan working time.



Reagent Preparation Area:

Positive pressure, vertical laminar flow design, equipped with primary filter and HEPA filter, which can protect the reagent preparation from external pollution and protect the reagent.

Specimen Preparation Area:

Negative pressure; the air inlet is through the front window glass door, the bottom of the operation area is returned to the air, and the top is exhausted; the upper and lower two HEPA filters are equipped to protect personnel from harmful aerosol infection and protect samples from external pollution.

Amplification Analysis Area:

Negative pressure, the air inlet is through the front window glass door, the bottom of the operation area is returned to the air, and the top is exhausted, and the HEPA filter can protect both the personnel and the environment.

APPLICATIONS

It is suitable for rapid nucleic acid detection in the fever clinic and emergency department of hospital, other small clinical laboratories.

MORE INFO

Mini PCR Workstation Equipment List:

Item	Name	Model	Quantity
Reagent preparation area	Pipette	0.5-10ul	1
	Pipette	10-100ul	1
	Pipette	100-1000ul	1
	Centrifuge	MINI-7	1
	Mixer	;BJPX-VW;	1
	Tips	10ul,100ul, 1000ul	/
	Centrifuge tube	1.5ml	/
	8-strip tube	0.2ml	/
	QPCR kit	Covid-19	/

Specimen preparation area	Pipette	0.5-10ul	1
	Pipette	10-100ul	1
	Pipette	100-1000ul	1
	Disposable Virus Sampling Collector (One Step method)	/	/
	Tips	10ul,100ul, 1000ul	/
	Centrifuge tube	1.5ml	/
	Centrifuge	MINI-7	1
	Mixer	;BJPX-VW;	1
	Nucleic Acid Extraction System	;BNP32; or ;BNPS;	1
Amplification analysis area	QPCR	;LEIA-X4;	1
Other related equipment	Biosafety Transport Box	;BTB-L5;	1
	-25°C Freezer	;BDF-25V270;	1
	-86°C Freezer	;BDF-86V158;	1



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