



PCR CABINET

PCR CABINET

PCR Cabinet series is engineered specifically for laboratory operations that require user and product protection. Operates with a negative air pressure for personnel protection and HEPA filtered laminar airflow for product protection. Suitable for microbiological and research applications that do not involve radioactive substances and toxic contaminants.

Used in Cell culturing, Genetics, Microbiological, Research, Cell Biology, Molecular Biology, Plant, Laboratory. Also known as Class II BSC, Biosafety Cabinet.

100 PCR CABINET



UV sterilization system

Interlock function: UV lamp only can be switched on when the front window is closed, ensuring operator safety

UV timer (1-99 minutes): When the setting time expires, the UV lamp automatically switches off in preparation for the next experiment

Standard Accessories: UV lamp, Fluorescent lamp, Base stand, Waterproof socket*2, Shelf with IV bar

Optional Accessories: Electric height adjustable base stand

SPECIFICATIONS

Model	BPCR-101	BPCR-102	BPCR-103
Type	PCR Cabinet		
HEPA Filter Efficiency	99.995% efficiency at 0.3 μm	99.999% efficiency at 0.3 μm	
Air Flow Velocity	0.3-0.5 m/s, speed adjustable		
Max opening	300 mm	320 mm	300 mm
Pre filter	Polyester fibre, Washable		
Work Surface height	750 mm		
Material	Main body : Cold-rolled steel with anti bacteria powder coating Work Table: 304 stainless steel		
Front Window	5 mm toughed glass, anti UV Motorized	5 mm toughed glass, anti UV Motorized Manual	5 mm toughed glass, anti UV Motorized
UV Lamp	20Wx1 emission of 235.7 nanometers, with UV timer	20Wx2 emission of 235.7 nanometers, with UV timer	30Wx1 emission of 235.7 nanometers, with UV timer
LED Lamp	8W x2		12Wx 2
Illumination	≥350 lux		
Shelf with IV bar	Stainless steel, 502x150x50 mm		
Caster	Universal caster with leveling feet		
Waterproof Socket	Two, total load <500W		
Standard Accessory	UV lamp, Fluorescent lamp, Base stand, Waerproof Socket x2, Shelf with IV bar		
Optional Accessory	Electric Height adjustable base stand		
Noise	≤65dB		
Internal Size (WxDxH)	700x595x550 mm	900x595x560 mm	1100x595x550 mm
External Size (WxDxH)	800x700x1770 mm	1000x705x1770 mm	1200x700x1770 mm
Package Size (WxDxH)	960x940x1450 mm	1150x930x1450 mm	1350x930x1450 mm
Gross Weight	168 kg	178 kg	220 kg

Consumption	400 W	300 W	600 W
Power Supply	AC220V+10% 50/60Hz ; 110V+10%, 60Hz		

Model	BPCR-104	BPCR-105
Type	PCR Cabinet	
HEPA Filter Efficiency	99.999% efficiency at 0.3 μ m	
Air Flow Velocity	0.3-0.5 m/s, speed adjustable	
Max opening	300 mm	
Pre filter	Polyester fibre, Washable	
Work Surface height	750 mm	
Material	Main body : Cold-rolled steel with anti bacteria powder coating Work Table: 304 stainless steel	
Front Window	5 mm toughed glass, anti UV Motorized	
UV Lamp	30Wx1 emission of 235.7 nanometers, with UV timer	
LED Lamp	12Wx 2	
Illumination	\geq 350 lux	
Shelf with IV bar	Stainless steel, 502x150x50 mm	
Caster	Universal caster with leveling feet	
Waterproof Socket	Two, total load <500W	
Standard Accessory	UV lamp, Fluorescent lamp, Base stand, Waerproof Socket x2, Shelf with IV bar	
Optional Accessory	Electric Height adjustable base stand	
Noise	\leq 65dB	
Internal Size (WxDxH)	1200x595x550 mm	1400x595x550 mm
External Size (WxDxH)	1300x700x1770 mm	1500x700x1770 mm
Package Size (WxDxH)	1450x930x 1450 mm	1650x930x1450 mm
Gross Weight	231 kg	250 kg
Consumption	600 W	
Power Supply	AC220V+10% 50/60Hz ; 110V+10%, 60Hz	



BPCR-101



BPCR-102



BPCR-103



BPCR-104



BPCR-105

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Global exclusive

Small dimension, save space, economical and convenient.

Automatic air speed adjustable with filter block.

With memory function in case of power-failure.

Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window

Audio and visual alarm: Filter replacement, window over height, abnormal air flow velocity etc

Time reserve function: This can set the UV lamp and fan working time

SPECIFICATIONS

Model	BPCR-201	BPCR-202	BPCR-203
Type	PCR Cabinet		
Air Flow Velocity	Reagent Preparation area: 0.3-0.45 (m/s)	-	-
Specimen Preparation Area	Airflow Velocity - Downflow: 0.33±0.025 (m/s) Inflow: 0.53±0.025 (m/s) Airflow Volume - 210 (m3/h) Exhaust Type - TypeA2, 30% exhaust, 70% recirculation Pressure - Negative Operating Area Size (LxWxH) - 560x560x510 mm	Airflow Velocity - Downflow: 0.33±0.025 (m/s) Inflow: 0.53±0.025 (m/s) Airflow Volume - 250 (m3/h) Exhaust Type - TypeA2, 30% exhaust, 70% recirculation Pressure - Negative Operating Area Size (LxWxH) - 660x560x510 mm	Airflow Velocity - Downflow: 0.33±0.025 (m/s) Inflow: 0.53±0.025 (m/s) Airflow Volume - 400 (m3/h) Exhaust Type - TypeA2, 30% exhaust, 70% recirculation Pressure - Negative Operating Area Size (LxWxH) - 1060x560x610 mm
Amplification Analysis Area	Airflow Velocity - ≥0.4 (m/s) Airflow Volume - ≥160 (m3/h) Exhaust Type - 30% exhaust, 70% recirculation Pressure - Negative Operating Area Size (LxWxH) - 440x560x510 mm	Airflow Velocity - ≥0.4 (m/s) Airflow Volume - ≥180 (m3/h) Exhaust Type - 100% exhaust Pressure - Negative Operating Area Size (LxWxH) - 640x560x510 mm	Airflow Velocity - ≥0.4 (m/s) Airflow Volume -≥180 (m3/h) Exhaust Type - 100% exhaust Pressure - Negative Operating Area Size (LxWxH) - 640x560x610 mm
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	400 mm		480 mm
Noise	≤67 dB (A)		
Vibration	≤ 5µm		
UV Lamp	15W x3, UV timer, UV life indicator		30W x1,15W x2
LED Lamp	4W x6	8W x6	8W x4,12W x2
Illumination	≥500 (Each area)	≥650 (Each area)	
Display	Touch Screen		
Control System	Microprocessor		
Waterproof Socket	The load of two sockets (Each area): 500W, total 6 sockets		
Visual and Audio Alarm	Filter replacement, window over height, abnormal air flow velocity		
Work Surface height	750 mm		
Material	Work Zone Material: 304 stainless steel Main Body Material: Cold-rolled steel with anti-bacteria powder coating		

Standard Accessory	LED lamp x6 UV lamp x4, Waterproof sockets x6	LED lamp x6 UV lamp x4, Windproof plate x2, Waterproof sockets x6	
External Size (WxDxH)	1600x710x1900 mm	2100x710x2000 mm	2500x850x2100 mm
Package Size (WxDxH)	1750x980x1400 mm	2250x980x1400 mm	2650x1120x1400 mm
Gross Weight	400 Kg	450 Kg	500 Kg
Consumption	600W, total 2100W (With load)		1000W, total 2500W
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Reagent Preparation Area	-	Airflow Velocity - 0.3-0.45 (m/s) Airflow Volume - 290-430 (m3/h) Exhaust Type - / Pressure - Positive Operating Area Size (LxWxH) - 640x560x510 mm	Airflow Velocity - 0.3-0.45 (m/s) Airflow Volume - 380-560 (m3/h) Exhaust Type - / Pressure - Positive Operating Area Size (LxWxH) - 640x560x610 mm



BPCR-201



BPCR-202



BPCR-203



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