



# MEDICAL BIOLOGICAL SAFETY CABINETS BPCR-202

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## 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.



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.
- 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.

## SPECIFICATIONS

Model	BPCR-202
External Size(L*W*H)mm	2100*710*2000mm
Reagent Preparation Area Operating Area Size (L*W*H)	640*560*510
Reagent Preparation Area Pressure	Positive
Reagent Preparation Area Airflow Velocity (m/s)	0.3~0.45
Reagent Preparation Area Airflow Volume (m <sup>3</sup> /h)	290~430
Reagent Preparation Area Exhaust Type	/
Specimen Preparation Area Operating Area Size (L*W*H)	660*560*510mm
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 (m <sup>3</sup> /h)	250
Specimen Preparation Area Exhaust Type	TypeA2, 30% exhaust, 70% recirculation
Amplification Analysis Area Operating Area Size (L*W*H)	640*560*510mm
Amplification Analysis Area Pressure	Negative
Amplification Analysis Area Airflow Velocity (m/s)	≥0.4
Amplification Analysis Area Airflow Volume (m <sup>3</sup> /h)	≥180
Amplification Analysis Area Exhaust Type	100% exhaust
ULPA Filter	Four, 99.999% efficiency at 0.12µm
Clean Level	Class 100, Except Amplification Analysis Area
Front Window	Manual, Toughened glass, Anti UV
Max Opening	400mm
Noise	≤67dB(A)
Vibration	≤5µm
UV Lamp	15W*3, UV timer, UV life indicator
LED Lamp	8W*6
Illumination(lx)	≥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 steel Main Body: Cold-rolled steel with anti-bacteria powder coating
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Consumption	600W, total 2100W(With load)
Standard Accessory	LED lamp*6, UV lamp*4, Windproof plate*2, Waterproof sockets*6
Package Size(W*D*H)	2250*980*1400mm
Gross Weight	450kg
Alt Name	Mini PCR Workstation

## ACCESSORIES FOR PURCHASE

No	Name	Features	Specifications
1	Electric Height Adjustable Base Stand	<ol style="list-style-type: none"> <li>1. Heavy load and smart balance</li> <li>2. Smooth running speed and low noise</li> <li>3. Concise and easy with nice appearance</li> <li>4. Low maintenance cost</li> <li>5. Easy to install and disassemble</li> <li>6. Max Adjustable Route 400 mm</li> <li>7. Width adjustable is customized</li> <li>8. Multipurpose for laboratory apparatus.</li> </ol>	Max Route (mm)100 Height of Base Stand Min. Height(mm)440 Height of Base Stand Max. Height(mm)540 Max Load400kg Load Speed5mm/s Working Frequency10%, max continuous working time is 2 minutes Noise<65dB Work Temperature-26°C~65°C MaterialPedestal: 3.0mm steel Lifting Rod: Aluminium alloy Power SupplyAC220V±10%, 50/60Hz; 110V±10%, 60Hz Controller Consumption100~200W CasterFootmaster Caster ApplicationsFor biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment



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No	Name	Features	Specifications
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1	Electric Height Adjustable Base Stand	<ol style="list-style-type: none"> <li>1. Heavy load and smart balance</li> <li>2. Smooth running speed and low noise</li> <li>3. Concise and easy with nice appearance</li> <li>4. Low maintenance cost</li> <li>5. Easy to install and disassemble</li> <li>6. Max Adjustable Route 400 mm</li> <li>7. Width adjustable is customized</li> <li>8. Multipurpose for laboratory apparatus.</li> </ol>	<p>Max Route (mm) 150</p> <p>Height of Base Stand Min. Height(mm) 490</p> <p>Height of Base Stand Max. Height(mm) 640</p> <p>Max Load 400kg</p> <p>Load Speed 5mm/s</p> <p>Working Frequency 10%, max continuous working time is 2 minutes</p> <p>Noise &lt;65dB</p> <p>Work Temperature -26°C~65°C</p> <p>Material Pedestal: 3.0mm steel Lifting Rod: Aluminium alloy</p> <p>Power Supply AC220V±10%, 50/60Hz; 110V±10%, 60Hz</p> <p>Controller Consumption 100~200W</p> <p>Caster Footmaster Caster</p> <p>Applications For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment</p>
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1	Electric Height Adjustable Base Stand	<ol style="list-style-type: none"> <li>1. Heavy load and smart balance</li> <li>2. Smooth running speed and low noise</li> <li>3. Concise and easy with nice appearance</li> <li>4. Low maintenance cost</li> <li>5. Easy to install and disassemble</li> <li>6. Max Adjustable Route 400 mm</li> <li>7. Width adjustable is customized</li> <li>8. Multipurpose for laboratory apparatus.</li> </ol>	<p>Max Route (mm) 200</p> <p>Height of Base Stand Min. Height(mm) 540</p> <p>Height of Base Stand Max. Height(mm) 740</p> <p>Max Load 400kg</p> <p>Load Speed 5mm/s</p> <p>Working Frequency 10%, max continuous working time is 2 minutes</p> <p>Noise &lt;65dB</p> <p>Work Temperature -26°C~65°C</p> <p>Material Pedestal: 3.0mm steel Lifting Rod: Aluminium alloy</p> <p>Power Supply AC220V±10%, 50/60Hz; 110V±10%, 60Hz</p> <p>Controller Consumption 100~200W</p> <p>Caster Footmaster Caster</p> <p>Applications For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment</p>
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1	Electric Height Adjustable Base Stand	<ol style="list-style-type: none"> <li>1. Heavy load and smart balance</li> <li>2. Smooth running speed and low noise</li> <li>3. Concise and easy with nice appearance</li> <li>4. Low maintenance cost</li> <li>5. Easy to install and disassemble</li> <li>6. Max Adjustable Route 400 mm</li> <li>7. Width adjustable is customized</li> <li>8. Multipurpose for laboratory apparatus.</li> </ol>	<p>Max Route (mm) 250</p> <p>Height of Base Stand Min. Height(mm) 590</p> <p>Height of Base Stand Max. Height(mm) 840</p> <p>Max Load 400kg</p> <p>Load Speed 5mm/s</p> <p>Working Frequency 10%, max continuous working time is 2 minutes</p> <p>Noise &lt;65dB</p> <p>Work Temperature -26°C~65°C</p> <p>Material Pedestal: 3.0mm steel Lifting Rod: Aluminium alloy</p> <p>Power Supply AC220V±10%, 50/60Hz; 110V±10%, 60Hz</p> <p>Controller Consumption 100~200W</p> <p>Caster Footmaster Caster</p> <p>Applications For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment</p>
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No	Name	Features	Specifications
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1	Electric Height Adjustable Base Stand	<ol style="list-style-type: none"> <li>1. Heavy load and smart balance</li> <li>2. Smooth running speed and low noise</li> <li>3. Concise and easy with nice appearance</li> <li>4. Low maintenance cost</li> <li>5. Easy to install and disassemble</li> <li>6. Max Adjustable Route 400 mm</li> <li>7. Width adjustable is customized</li> <li>8. Multipurpose for laboratory apparatus.</li> </ol>	<p>Max Route (mm) 300</p> <p>Height of Base Stand Min. Height(mm) 640</p> <p>Height of Base Stand Max. Height(mm) 940</p> <p>Max Load 400kg</p> <p>Load Speed 5mm/s</p> <p>Working Frequency 10%, max continuous working time is 2 minutes</p> <p>Noise &lt;65dB</p> <p>Work Temperature -26°C~65°C</p> <p>Material Pedestal: 3.0mm steel Lifting Rod: Aluminium alloy</p> <p>Power Supply AC220V±10%, 50/60Hz; 110V±10%, 60Hz</p> <p>Controller Consumption 100~200W</p> <p>Caster Footmaster Caster</p> <p>Applications For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment</p>
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No	Name	Features	Specifications
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1	Electric Height Adjustable Base Stand	<ol style="list-style-type: none"> <li>1. Heavy load and smart balance</li> <li>2. Smooth running speed and low noise</li> <li>3. Concise and easy with nice appearance</li> <li>4. Low maintenance cost</li> <li>5. Easy to install and disassemble</li> <li>6. Max Adjustable Route 400 mm</li> <li>7. Width adjustable is customized</li> <li>8. Multipurpose for laboratory apparatus.</li> </ol>	<p>Max Route (mm) 350</p> <p>Height of Base Stand Min. Height(mm) 690</p> <p>Height of Base Stand Max. Height(mm) 1040</p> <p>Max Load 400kg</p> <p>Load Speed 5mm/s</p> <p>Working Frequency 10%, max continuous working time is 2 minutes</p> <p>Noise &lt;65dB</p> <p>Work Temperature -26°C~65°C</p> <p>Material Pedestal: 3.0mm steel Lifting Rod: Aluminium alloy</p> <p>Power Supply AC220V±10%, 50/60Hz; 110V±10%, 60Hz</p> <p>Controller Consumption 100~200W</p> <p>Caster Footmaster Caster</p> <p>Applications For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment</p>
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No	Name	Features	Specifications
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1	Electric Height Adjustable Base Stand	<p>1. Heavy load and smart balance  2. Smooth running speed and low noise  3. Concise and easy with nice appearance  4. Low maintenance cost  5. Easy to install and disassemble  6. Max Adjustable Route 400 mm  7. Width adjustable is customized  8. Multipurpose for laboratory apparatus.</p>	<p>Max Route (mm)  400  Height of Base Stand Min. Height(mm)  740  Height of Base Stand Max. Height(mm)  1140  Max Load  400kg  Load Speed  5mm/s  Working Frequency  10%, max continuous working time is 2 minutes  Noise  &lt;65dB  Work Temperature  -26°C~65°C  Material  Pedestal: 3.0mm steel  Lifting Rod: Aluminium alloy  Power Supply  AC220V±10%, 50/60Hz; 110V±10%, 60Hz  Controller Consumption  100~200W  Caster  Footmaster Caster  Applications  For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment</p>
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No	Name	Features
1	Air Velocity Meter	Measurement Range: 0~30m/s, Accuracy: ±3% or + 0.015m/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	Air Velocity Meter	Measurement Range: 0~30m/s, Accuracy: ±3% or + 0.015m/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.
3	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)
4	Digital Sound Level Meter	Accuracy: +1.5dB, Resolution: 0.1dB, Measurement Range: 30-130dB
5	Illumination Meter	Light Intensity range: 0-200,000LUX Accuracy: ±3% rdg0.5% f.5. (<10,000lux), ± 4% rdg+10dgts (>10,000lux)
6	Foot rest	Humanization design. Material is cold-rolled steel with anti-bacteria powder coating. Can be customized.
7	Arm rest	Alleviate fatigue on operator's arms Prevent air obstruction. Adjustable height range: 85~100mm
8	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.
9	Laboratory Chair Material	Economy line-artificial leather. Backrest height: 45cm. Height range: 43~57cm.
10	Infrared Sterilizer	Two types: Type I: 36mm dimension of cavity; Type II: 22mm dimension of cavity Central high-temperature: 930°C:+30°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.



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## FEATURES

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.

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.



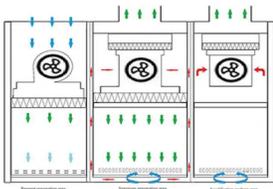
Front Window, Toughened glass >5mm, anti UV.



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.



- Room Air
- Clean Air
- Polluted Air
- Exhaust Air
- HEPA Filter

**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



**Biolab Scientific Ltd.**

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