



## MEDICAL BIOLOGICAL SAFETY CABINETS BPCR-201

# MEDICAL BIOLOGICAL SAFETY CABINETS BPCR-201

## 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-201                                                   |
|----------------------------------------------------------------|------------------------------------------------------------|
| External Size(L*W*H)mm                                         | 1600*710*1900mm                                            |
| Reagent Preparation Area Operating Area Size (L*W*H)           | 440*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)    | 190~290                                                    |
| Reagent Preparation Area Exhaust Type                          | /                                                          |
| Specimen Preparation Area Operating Area Size (L*W*H)          | 560*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)   | 210                                                        |
| Specimen Preparation Area Exhaust Type                         | TypeA2, 30% exhaust, 70% recirculation                     |
| Amplification Analysis Area Operating Area Size (L*W*H)        | 440*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) | ≥160                                                       |
| Amplification Analysis Area Exhaust Type                       | 30% exhaust; 70% recirculation                             |
| ULPA Filter                                                    | Four, 99.999% efficiency at 0.12μm                         |
| Clean Level                                                    | Class 100(ISO Class 5)                                     |
| 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                                                       | 4W*6                                                       |
| Illumination(lx)                                               | ≥500( 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)                                                                 |
| Standard Accessory     | LED lamp*6, UV lamp*4, Waterproof sockets*6                                                  |
| Package Size(W*D*H)    | 1750*980*1400mm                                                                              |
| Gross Weight           | 400kg                                                                                        |
| Alt Name               | Mini PCR Workstation                                                                         |

## ACCESSORIES FOR PURCHASE

| No | Name                                  | Features                                                                                                                                                                                                                                                                                                  | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Electric Height Adjustable Base Stand | 1. Heavy load and smart balance<br>2. Smooth running speed and low noise<br>3. Concise and easy with nice appearance<br>4. Low maintenance cost<br>5. Easy to install and disassemble<br>6. Max Adjustable Route 400 mm<br>7. Width adjustable is customized<br>8. Multipurpose for laboratory apparatus. | Max Route (mm)100<br>Height of Base Stand Min. Height(mm)440<br>Height of Base Stand Max. Height(mm)540<br>Max Load400kg<br>Load Speed5mm/s<br>Working Frequency10%, max continuous working time is 2 minutes<br>Noise<65dB<br>Work Temperature-26°C~65°C<br>MaterialPedestal: 3.0mm steel Lifting Rod: Aluminium alloy<br>Power SupplyAC220V±10%, 50/60Hz; 110V±10%, 60Hz<br>Controller Consumption100~200W<br>CasterFootmaster Caster<br>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 | <p>1. Heavy load and smart balance</p> <p>2. Smooth running speed and low noise</p> <p>3. Concise and easy with nice appearance</p> <p>4. Low maintenance cost</p> <p>5. Easy to install and disassemble</p> <p>6. Max Adjustable Route 400 mm</p> <p>7. Width adjustable is customized</p> <p>8. Multipurpose for laboratory apparatus.</p> | <p>Max Route (mm)<br/>200</p> <p>Height of Base Stand Min. Height(mm)<br/>540</p> <p>Height of Base Stand Max. Height(mm)<br/>740</p> <p>Max Load<br/>400kg</p> <p>Load Speed<br/>5mm/s</p> <p>Working Frequency<br/>10%, max continuous working time is 2 minutes</p> <p>Noise<br/>&lt;65dB</p> <p>Work Temperature<br/>-26°C~65°C</p> <p>Material<br/>Pedestal: 3.0mm steel<br/>Lifting Rod: Aluminium alloy</p> <p>Power Supply<br/>AC220V±10%, 50/60Hz; 110V±10%, 60Hz</p> <p>Controller Consumption<br/>100~200W</p> <p>Caster<br/>Footmaster Caster</p> <p>Applications<br/>For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment</p> |
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| 1 | Electric Height Adjustable Base Stand | <p>1. Heavy load and smart balance</p> <p>2. Smooth running speed and low noise</p> <p>3. Concise and easy with nice appearance</p> <p>4. Low maintenance cost</p> <p>5. Easy to install and disassemble</p> <p>6. Max Adjustable Route 400 mm</p> <p>7. Width adjustable is customized</p> <p>8. Multipurpose for laboratory apparatus.</p> | <p>Max Route (mm)<br/>250</p> <p>Height of Base Stand Min. Height(mm)<br/>590</p> <p>Height of Base Stand Max. Height(mm)<br/>840</p> <p>Max Load<br/>400kg</p> <p>Load Speed<br/>5mm/s</p> <p>Working Frequency<br/>10%, max continuous working time is 2 minutes</p> <p>Noise<br/>&lt;65dB</p> <p>Work Temperature<br/>-26°C~65°C</p> <p>Material<br/>Pedestal: 3.0mm steel<br/>Lifting Rod: Aluminium alloy</p> <p>Power Supply<br/>AC220V±10%, 50/60Hz; 110V±10%, 60Hz</p> <p>Controller Consumption<br/>100~200W</p> <p>Caster<br/>Footmaster Caster</p> <p>Applications<br/>For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment</p> |
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| 1 | Electric Height Adjustable Base Stand | <p>1. Heavy load and smart balance<br/>2. Smooth running speed and low noise<br/>3. Concise and easy with nice appearance<br/>4. Low maintenance cost<br/>5. Easy to install and disassemble<br/>6. Max Adjustable Route 400 mm<br/>7. Width adjustable is customized<br/>8. Multipurpose for laboratory apparatus.</p> | <p>Max Route (mm)<br/>400<br/>Height of Base Stand Min. Height(mm)<br/>740<br/>Height of Base Stand Max. Height(mm)<br/>1140<br/>Max Load<br/>400kg<br/>Load Speed<br/>5mm/s<br/>Working Frequency<br/>10%, max continuous working time is 2 minutes<br/>Noise<br/>&lt;65dB<br/>Work Temperature<br/>-26°C~65°C<br/>Material<br/>Pedestal: 3.0mm steel<br/>Lifting Rod: Aluminium alloy<br/>Power Supply<br/>AC220V±10%, 50/60Hz; 110V±10%, 60Hz<br/>Controller Consumption<br/>100~200W<br/>Caster<br/>Footmaster Caster<br/>Applications<br/>For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment</p> |
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| No | Name                           | Features                                                                                                                                                                                                                                                           |
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| 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<br>Accuracy: ±3% rdg 0.5% f.s. (<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:<br>Type I: 36mm dimension of cavity; Type II: 22mm dimension of cavity<br>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.



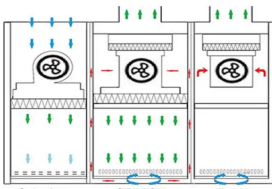
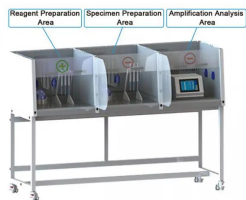
Front Window, Toughened glass >5mm, anti UV.



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.



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.**

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)