

# Automated Sample Processing System BK-PR96



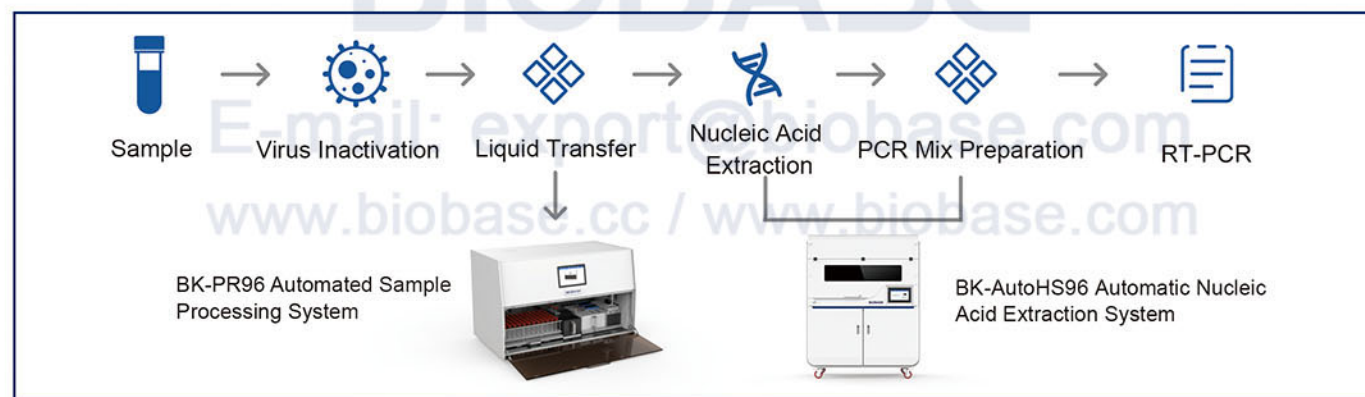
### Introduction:

The BK-PR96 automated sample processing system is suitable for a variety of screw-cap sampling tubes, and can be loaded with the original tube with the cap. It has functions such as automatic opening and closing of the cap, sample handling, and addition of proteinase K/internal standard. 96 samples can be completed within short time, helping laboratories to quickly improve their large-scale nucleic acid testing capabilities.

### Application:

Sample processing for clinical diagnosis, epidemic surveillance, food safety, forensic identification, scientific research, etc., especially for samples of SARS-CoV-2 or other virulent infectious diseases.

### Work Process:



### Features:

**Safety:** Equipped with double independent, specific anti aerosol cross contamination device, high efficiency ultraviolet disinfection module, external liquid trap tray.

**Efficient:** 96 samples were processed within 25 minutes, with double manipulator, double sample addition and double screw cover channel.

**Convenient:** 10.1-inch HD touch screen, user-friendly operation interface, one-click software operation, quick mastery; Pull-out scrap TIP storage box design, more convenient cleaning.

**Compatibility:** Compatible with a variety of pipette tips, deep well plates, sampling tubes. (including blood collection tubes)

**Smart:** One-key operation, smart dispensation.

### Parameters:

| Model                         | BK-PR96  |
|-------------------------------|--|
| Throughput                    | 1~96   |
| Processing Time               | 96 samples/20min   |
| Sample Type                   | Plasma, serum, whole blood, swab solution and other samples  |
| Sample Rack                   | 1pc (compatible with a variety of sampling tubes)  |
| Robot Arm                     | 2pcs (Dispensation arm and Screw cap arm)  |
| Clamping Arm                  | 2pcs, Independence Movement  |
| Pipetting Method              | Specific mechanical pipetting fluids   |
| Plate Position                | 3 pcs (Compatible with multi-specification deep-well plates)   |
| Tip Position                  | 3 pcs (Including tip waste box position)   |
| Reagent Rack                  | Yes, 4*4 reagent carrier, can hold bullet cryotube   |
| Pollution Prevention &Control | External droplet capture tray design<br>Aanti-aerosol cross-pollution device<br>UV Light; Air-tight and anti-drip design |
| Liquid Detection              | Pneumatic liquid level detection principle, intelligent detection of blocked needle                                      |
| Pipetting Volume              | 5~1000µl   |
| Pipetting Accuracy            | 20µl, CV≤2%, Accuracy≤5.0%, 50µl Tip<br>1000µl, CV≤0.5%, Accuracy≤1.0%,1000µl Tip  |
| Power Supply                  | AC220V,50/60Hz(Standard); AC110V,50/60Hz(Optional)   |
| Power                         | 350W   |
| External Size (W*D*H)         | 1180*680*760mm   |
| Net Weight                    | 105kg  |
| Package Size (W*D*H)          | Main instrument: 1293*793*970mm<br>Accessory 1: 645*185*440mm<br>Accessory 2: 645*185*440mm                              |
| Gross Weight                  | Main instrument: 156kg<br>Accessory 1: 6.1kg;<br>Accessory 2: 4kg  |