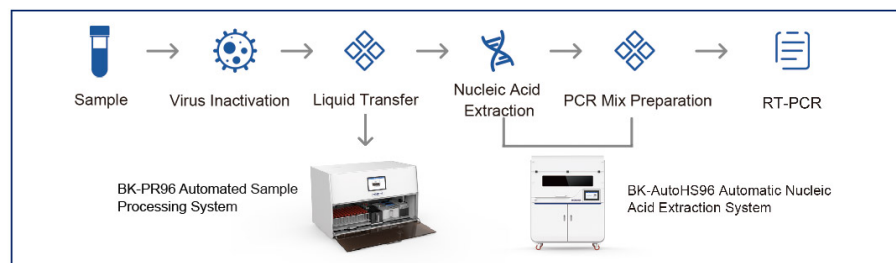# Automated Sample Processing System
BK-PR96

Introduction:

BK-PR96 Automated Sample Processing System can be used with a biological safety cabinet. Could complete lid opening/closing, dispensing, proteinase K/internal control addition, it only takes 20 minutes to transfer 96 samples at one time, which helps laboratories quickly improve their large-scale nucleic acid detection 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.

BK-PR96

Work Process:

Sample → Virus Inactivation → Liquid Transfer → Nucleic Acid Extraction → PCR Mix Preparation → RT-PCR

BK-PR96 Automated Sample Processing System

BK-AutoHS96 Automatic Nucleic Acid Extraction System

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 20 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) specifications

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
Protective Function	Can be used in a biological safety cabinet
	External droplet catch tray design
	With air-tight and anti-drip design
Liquid Detection	Pneumatic liquid level detection principle, intelligent detection of blocked needle
Pipetting Volume	5-1000ul
Pipetting Accuracy	20ul, CV≤2%, Accuracy≤5.0%, 50ul Tip
	1000ul, CV≤0.5%, Accuracy≤1.0%,1000ul Tip
Power Supply	Standard: 220V 50/60Hz; optional: 110V 50/60Hz
Power	350W
External Size (W*D*H)	1180*680*760mm
Net Weight	105kg
Package Size (W*D*H)	Main instrument: 1293*793*970mm
	Accessory 1: 645*185*440mm
	Accessory 2: 645*185*440mm
Gross Weight	Main instrument: 156kg
	Accessory 1: 6.1kg
	Accessory 2: 4kg