Automated Sample Processing System

BK-PR48
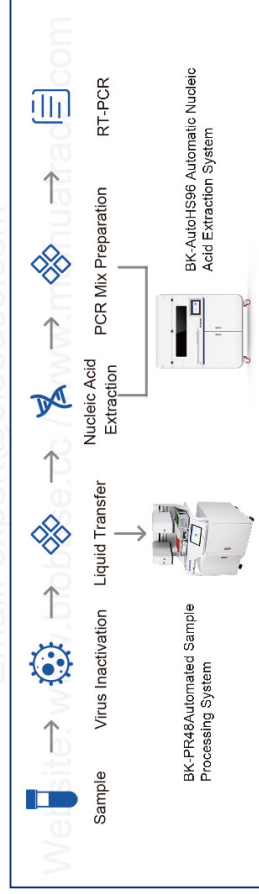
Features:

Safety: Automated Sample Processing System is equipped with high-efficiency filter and built-in UV lamp, and it can be used with a biological safety cabinet, to effectively prevent aerosol pollution.

Efficient: Cooperative processing with dual robotic arms

Convenient: Visual interface operation, easy to operate

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-PR32	BK-PR48
Throughput	1-32	1-48
Processing Time	32 samples/10min	48 samples/16min
Sample Type	Plasma, serum, whole blood, swab solution and other samples	
Sample Rack	1Pcs, 3*12 with locking device (compatible with a variety of sampling tubes)	1Pcs, 6*8 with locking device (compatible with a variety of sampling tubes)
Robot Arm	1 pcs (Dispensation arm)	2 pcs (Dispensation arm and Screw cap arm)
Plate Position	2 pcs (Compatible with I-shaped and square boards)	3 pcs (Compatible with multi-specification deep-well plates)
Tip Position	3 pcs (Including tip waste box position)	
Reagent Rack	1 pcs (4*2ml centrifuge tube+4*2ml freezing tube+4*5ml freezing tube)	
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 (1000/50ul Tip)	
Pipetting Accuracy	10ul, CV≤1.5%, Accuracy≤6.0%, 50ul Tip	
	50ul, CV≤1.0%, Accuracy≤2.0%, 1000ul Tip	
	100ul, CV≤0.5%, Accuracy≤2.0%,1000ul Tip	
Power Supply	220V,50/60HZ;110V,60HZ	
External Size (W*D*H)	540*637*1113mm	827*794*1223mm
Net Weight	56kg	100kg
Package Size (W*D*H)	670*810*1314mm	Main instrument: 925*925*817mm; Base cabinet:1030*995*1045
Gross Weight	76kg	Main instrument: 115kg; Base cabinet:105kg

BK-PR32   BK-PR48

Work Process:

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

BK-PR48Automated Sample Processing System

BK-AutoHS96 Automatic Nucleic Acid Extraction System

Introduction:

The Automated Sample Processing System is equipped with an independent HEPA filter system, and the Automated Sample Processing System can be used with a biological safety cabinet.

It can complete lidopening|closing, dispensing, proteinase Kinternal control addition, 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.