



AUTOMATED SAMPLE PROCESSING SYSTEM

AUTOMATED SAMPLE PROCESSING SYSTEM BEM2BU1

BEM2BU2

AUTOMATED SAMPLE PROCESSING SYSTEM

The Automated Sample Processing system can be used with a biological safety cabinet.

It can complete lid opening, closing, dispensing, proteinase K/internal control addition, which helps laboratories quickly improve their large-scale nucleic acid detection capabilities.



1. Safety: Automated Sample Processing system built in UV lamp, and it can be used with a biological safety cabinet, to effectively prevent aerosol pollution.
2. Efficient: Cooperative processing with dual robotic arms.
3. Convenient: Visual interface operation, easy to operate.
4. Compatibility: Compatible with a variety of pipette tips, deep well plates, sampling tubes.(including blood collection tubes) specifications.
5. Smart: One-key operation, smart dispensation.

SPECIFICATIONS

Model	BEM2BU1	BEM2BU2
Old Model	BLIH-601	BLIH-602
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	1pc, 3*12 with locking device (compatible with a variety of sampling tubes)	1pc, 6*8 with locking device (compatible with a variety of sampling tubes)
Robot Arm	1pc (Dispensation arm)	2pcs (Dispensation arm and screw cap arm)
Plate Position	2pcs (Compatible with I-shaped and square boards)	3pcs (Compatible with multi-specification deep-well plates)
Tip Position	3pcs (Including tip waste box position)	
Reagent Rack	1pc (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	5~1000μl (1000/50μl tip)	
Pipetting Accuracy	10μl, CV≤1.5%, Accuracy≤6.0%; 50μl tip: CV≤1.0%, Accuracy≤2.0%; 1000μl tip: CV≤0.5%, Accuracy≤2.0%	
Power Supply	220V, 50/60Hz; 110V, 60Hz	
External Size(W*D*H)	540*680*1113	827*794*1232
Net Weight	56kg	100kg
Package Size(W*D*H)	670*810*1314	Main Instrument: 855*855*747; Base Cabinet: 960*925*975
Gross Weight	76kg	Main Instrument: 75kg; Base Cabinet: 65kg
Alt Name	Automated Sample Processing System	

APPLICATIONS

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.

AUTOMATED SAMPLE PROCESSING SYSTEM BEM2BP1

AUTOMATED LIQUID HANDLER

The Automated Liquid Handler is an intelligent, high-precision robotic system designed to automate the process of liquid handling in laboratories.



1. Graphical software interface, easy to understand and easy to edit the instrument built-in user management system, convenient to manage the experimental program.
2. 96 channels, 5~200 μ l liquid volume, perfect to match your different needs.
3. Compatible with most of the SBS standard experimental consumables, sample tube, suction box, microplate, suction tank, liquid injection tank, etc.
4. Ultra-compact and lightweight design for easy movement in the lab and into other equipment.
5. Set a variety of pipetting functions: liquid suction, liquid separation, blowing sample, mixing, dilution.

SPECIFICATIONS

Model	BEM2BP1
Old Model	BLIH-701
Plate Position	4pcs
Throughput	96
Pipetting Principle	Replacement of air
Pipetting Volume	5~200 μ l
Tips	50 μ l, 200 μ l tips to choose
Plate Specification	96-well microplate, 96-well deep hole plate, PCR plate, 8-trip tube, suction tank, injection tank
Function	Aspirate, dispense, blow, mix, dilute
Display	7-inch touch screen
Power	100VA
Power Supply	100~240V, 50/60Hz
External Size	635*270*555mm
Packing Size	760*410*690mm
Gross Weight	42kg
Alt Name	Automated Liquid Handler

AUTOMATED SAMPLE PROCESSING SYSTEM BEM2BT1

AUTOMATED SAMPLE PROCESSING SYSTEM

The 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.



1. Safety: Equipped with double independent, specific anti aerosol cross contamination device, high efficiency ultraviolet disinfection module, external liquid trap tray.
2. Efficient: 96 samples were processed within 25 minutes, with double manipulator, double sample addition and double screw cover channel.
3. 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.
4. Compatibility: Compatible with a variety of pipette tips, deep well plates, sampling tubes.(including blood collection tubes) specifications
5. Smart: One-key operation, smart dispensation.

SPECIFICATIONS

Model	BEM2BT1
Old Model	BLIH-603
Throughput	1~96
Processing Time	96 samples/25min
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	3pcs (Compatible with multi-specification deep-well plates)
Tip Position	3pcs (Including tip waste box position)
Reagent Rack	Yes, 4x4 reagent carrier, can hold bullet cryotube
Pollution Prevention&Control	External droplet capture tray design; Anti-aerosol cross-pollution device; 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)	20μl, CV≤2%, Accuracy≤5.0%
Pipetting Accuracy (1000μl)	1000μl, CV≤0.5%, Accuracy≤1.0%
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: 1318*818*840mm; Accessory 1: 645*185*440mm; Accessory 2: 645*185*440mm
Gross Weight	Main instrument: 156kg; Accessory 1: 6.1kg; Accessory 2: 4kg
Alt Name	Automated Sample Processing System

APPLICATIONS

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.



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