



## AUTOMATED SAMPLE PROCESSING SYSTEM

# AUTOMATED SAMPLE PROCESSING SYSTEM

Biolab Automated Sample Processing System is used to uncapping, dispensing and recapping at one time automatically with real time monitoring system

Used in Clinical diagnosis, forensic identification, scientific research epidemic surveillance, food safety.

Also known as Automated sample preparation system, Automated sample analysis.

## 600 AUTOMATED SAMPLE PROCESSING SYSTEM



**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

## SPECIFICATIONS

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	1Pcs, 3x12 with locking device (compatible with a variety of sampling tubes)	1Pcs, 6x8 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 (4x2ml centrifuge tube + 4x2ml freezing tube + 4x5ml 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	5-100µl (1000/50µl Tip)	
Pipetting Accuracy	10µl, CV≤1.5%, Accuracy≤6.0%, 50µl Tip 50µl, CV≤1.0%, Accuracy≤2.0%, 1000µl Tip 100µl, CV≤0.5%, Accuracy≤2.0%, 1000µl Tip	-
External Size	540x637x1113 mm	827x794x1223 mm
Package Size	670x810x1314mm	Main instrument: 925x925x817 mm Base cabinet: 1030x995x1045 mm
Weight	Net Weight-56Kg Gross Weight-76kg	Net Weight- 100kg Gross Weight-Main instrument: 115kg Base cabinet: 105kg
Power Supply	220V, 50/60Hz; 110V, 60Hz	
Pipetting Accuracy	-	10µl, CV≤1.5%, Accuracy≤6.0%, 50µl Tip 50µl, CV≤1.0%, Accuracy≤2.0%, 1000µl Tip 100µl, CV≤0.5%, Accuracy≤2.0%, 1000µl Tip



BLIH-601



BLIH-602

## BLIH-603 AUTOMATED SAMPLE PROCESSING SYSTEM



**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

## SPECIFICATIONS

Model	BLIH-603
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, 4x4 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
External Size	1180x680x760 mm
Package Size	Main instrument: 1293x793x970 mm Accessory 1: 645x185x440 mm Accessory 2: 645x185x440 mm
Weight	Net Weight-105 kg Gross Weight-Main instrument: 156kg Accessory 1: 6.1kg Accessory 2: 4kg
Power	350 W
Power Supply	Standard: 220V 50/60Hz; optional: 110V 50/60Hz

# BLIH-701 AUTOMATED LIQUID HANDLER



Graphical software interface, easy to understand and easy to edit the instrument built-in user management system, convenient to manage the experimental program  
96 channels, 5-200ul liquid volume, perfect to match your different needs

Compatible with most of the SBS standard experimental consumables, sample tube, suction box, microplate, suction tank, liquid injection tank, etc.

Ultra-compact and lightweight design for easy movement in the lab and into other equipment

Set a variety of pipetting functions: liquid suction, liquid separation, blowing sample, mixing, dilution

## SPECIFICATIONS

Model	BLIH-701
Plate Position	4 pcs
Throughput	96
Pipetting Principle	Replacement of air
Pipetting Volume	5-200 ul
Tips	50ul, 200ul 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
External Size	635x270x555 mm
Packing Size	765x395x680 mm
Gross Weight	33 kg
Power	100 W
Power Supply	100-240V, 50/60Hz



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