Haier Biomedical
Intelligent Protection of Life Science

Hoierh
Fully-automated Sample Processing System

Easy Sample

Hoierh

FB-1000

Scope of Application :

The automated sample processing system supports automatically uncapping, dispensing and recapping at one time. It can complete the aspiration of 96 samples from the original tubes or cryopreservation tubes to the deep-well multiwell plate, cell culture plate or PCR plate in 32 minutes in a single channel pipetting mode.

Innovative Design

◉ High Processing Efficiency

◉ Safe and Reliable

◉ Flexible and Compatible

◉ Traceable Sample Information

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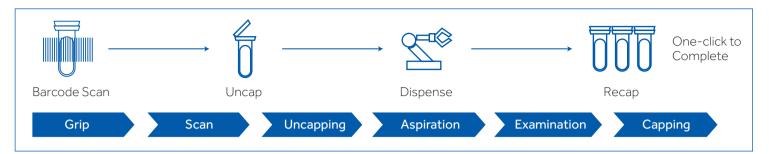Tel: +86-0532-88935593
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Fully-automated Sample Processing System

Workflow

Barcode Scan → Uncap → Dispense → Recap — One-click to Complete

Grip → Scan → Uncapping → Aspiration → Examination → Capping

Product Features

FB-1000H

High Processing Efficiency

- Fully automated, non-contact sampling technology to endure the safety of operators, environments, and samples processing
- 24-hour operation to solve 10 thousand samples daily

Traceable Sample Information

- Equipped with scanning code module compatible with bar code and two-dimensional code, automatic identification and tracking sample information
- High-resolution camera distinguishes swab and liquid level, to ensure aspiration accuracy
- Mixing the samples well

Flexible and Compatible

- Compatible with 5ml, 10ml and sample tubes with screw cap for multiple brands
- Supports mixed sample processing
- Supports the processing of different sample tubes at one time
- Compatible with 16/24/32/48/96 well plate for DNA extraction

Safe and Reliable

- HEPA filtration system + UV lamp disinfection
- Aerosol filtration efficiency over 99.995%
- Efficient visual identification system, capability to flag abnormal samples

Technical Parameters

Model			FB-1000	FB-1000H
System	Overall structure		All-In-One, no need for installation	
	Net dimensions (W*D*H)	mm	Product: 1100*680*1080	Product: 1100*680*1080 Workbench: 1050*650*900
	Net weight	kg	162	202
Pipetting Performance	Processing speed		1 sample/20 seconds, 96 samples/32 minutes	
	Pipetting principle		Air displacement principle, with liquid detection function	
	Pipetting range		10μl~1000μl	
	Pipetting precision		10μlCV≤5%; 100μlCV≤3%; 1000μlCV≤1%	
	Pipetting accuracy		10μl±10%; 100μl±2%; 1000μl±1%	
	Pipetting module		Swab identification module	Swab identification module, connected to LIMS
Safety Protection	UV Ultraviolet radiator		15W	
	Negative pressure HEPA system		Aerosol filtration efficiency 99.995% at 0.3um	
Compatibility	Collection tube		Compatible with a variety of brands of 1.5ml/2ml, 5ml/10ml, 50ml nut cap collection tube	
	Consumables		Support 16/24/32/48/96 channel nucleic acid extraction plate sample arrangement	
Function Description			5/10ml swab tube, uncapping, recapping, HEPA filter, pipette range 10-1000ul, swab identification module, support mixing sample testing	5/10ml swab tube, uncapping and recapping with barcode scanning, HEPA filter, pipette range 10-1000ul, swab identification module, connected to LIMS, support mixing sample testing

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