Automatic Nucleic Acid Extraction System

Brand **Master Science** | Unit **Pc**

Automatic Nucleic Acid Extraction System

The MSBKHS32SWISS is a high-throughput and high-sensitivity automatic nucleic acid purification system. It efficiently performs nucleic acid extraction using magnetic bead-based technology, ensuring stable and reliable results. This system is designed with safety features to prevent cross-contamination, providing high-quality nucleic acid extractions.

KEY HIGHLIGHTS

- High Sensitivity
- Low Cost
- Efficient Filtration

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www.themsci.com

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Overview

It is compatible with various nucleic acid extraction kits, making it flexible and cost-effective for laboratories.

Key Features

High Sensitivity
Ensures precise and accurate nucleic acid extraction.

Low Cost
Designed to optimize cost-efficiency while maintaining quality.

Efficient Filtration
Equipped with a Class II HEPA filter to prevent aerosol contamination and cross-infection.

Protects the integrity of the samples and ensures user safety.

Technical Specifications

GENERAL

General	High ThroughputCapable of processing up to 32 samples at once.
General	UV DisinfectionIntegrated 8W UV lamp for sterilization to prevent contamination.
General	Extraction MethodMagnetic bead-based
General	Sample Capacity32 samples per run
General	Processing Volume20 µl to 1000 µl
General	Extraction Time15 to 60 minutes
General	Magnetic Bead Recovery≥98%

GENERAL	
General	Extraction UniformityVariation between wells is less than 3%
General	Magnetic Rod Flux4500Gs
General	Temperature RangeRoom Temperature to 100°C with adjustable heating
General	Oscillating MixingAdjustable vertical mixing (low, medium, high)
General	Module Stations2
General	Protection Functions (Disinfection Method)8W UV lamp
General	Protection Functions (Illumination)3.4W LED lamp
General	Protection Functions (Operation Interface)10.1-inch touchscreen
General	Protection Functions (Project Storage)Can store more than 1000 projects
General	Protection Functions (Ports)2 USB ports, optional LAN port
General	Protection Functions (Contamination Control)Class II HEPA filter for aerosol prevention
General	Protection Functions (Firmware Updates)Supports IAP function for online firmware updates
General	Protection Functions (Power Supply)AC 100~240V, 50/60Hz
General	Touchscreen Interface10.1-inch capacitive touchscreen with a Windows system for easy operation.
General	Self-check at startup
General	Power-off protection
General	High-temperature alarm
General	Over-temperature protection
General	Motor protection

DIMENSIONS & WEIGHT	
External Size	460 mm (W) × 470 mm (D) × 480 mm (H)

ADDITIONAL FUNCTIONS	
Barcode Scanning	Optional external barcode scanner for sample identification.
Temperature Protection	The system includes alarms for high temperatures and power-off protection to ensure safety.
IAP Function	Firmware can be updated online, ensuring that the system is always up-to-date with the latest improvements.
Additional Functions	This automatic nucleic acid extraction system is ideal for laboratories that require high efficiency, reliability, and safety in nucleic acid purification.

Standard Accessories Included

- 538 mm (W) × 538 mm (D) × 750 mm (H)
- Gross Weight: 37 kg