32-Sample Nucleic Acid Extractor, Magnetic Bead DNA/RNA Purification, 20-1000 µL, UV, 125°C Heat

Model **MSNAE-32PSWISS** | Brand **Master Science**





The Master Science 32-Sample Nucleic Acid Extractor automates nucleic acid extraction and purification for biological laboratories and clinical departments. Using magnetic bead reagents and a 96 deep-well plate with magnetic rod sleeves, it processes 1 to 32 samples of 20-1000 µL from animal and plant tissue, viruses, fungi, bacteria, plasmids, whole blood or cultured cells.

KEY HIGHLIGHTS

- High recovery
- Consistent results
- Cleaner workspace
- Safe operation

AT A GLANCE

Ambient +5°C to 125°C
HEATING RANGE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Overview

A high-precision screw drive and stepper motor give accurate, safe movement, while heating up to 125°C, adjustable mixing and UV disinfection support clean, consistent runs of about 10-50 minutes depending on the reagent kit.

> For higher throughput, see our Automatic Nucleic Acid Extractor, 96 Samples, a larger option than the 32-Sample Nucleic Acid Extractor.

Key Benefits

High recovery
Magnetic bead collection efficiency of 98% or more.

Consistent results
Well-to-well variation within CV 3%.

Cleaner workspace
UV disinfection reduces cross-contamination and aerosol risk.

Safe operation
Door-open protection and power-failure recovery.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSNAE-32PSWISS
SKU	MSNAE-32PSWISS
Throughput	1-32 samples
Process Volume	20-1000 µL
Consumables	96 deep-well plate + magnetic rod sleeves
Collection Efficiency	≥ 98%
Stability	CV ≤ 3%
Heating Range	**Ambient +5°C to 125°C**
Mixing Mode	Adjustable oscillation
Contamination Control	UV light
Lighting	Yes
Safety Protection	Automatic data protection
Reagent Type	Magnetic bead reagents
Communication	LAN, USB, Wi-Fi
Run Time	10-50 min per run (reagent dependent)
Display	10.1-inch capacitive touch screen
Operating Conditions	10-40°C, 10-90% humidity
Power	AC 100-240 V, 50/60 Hz, 450 W

DIMENSIONS & WEIGHT	
Dimensions (L x W x H)	430 x 390 x 505 mm
Weight	30 kg

EXTRACTION PROBLEMS IT ADDRESSES	
Manual extraction is slow	1-32 samples processed in about 10-50 minutes.
Variable yields between operators	Automated steps with CV ≤ 3%.
Cross-contamination	UV disinfection and enclosed chamber.
Runs lost to power cuts	Prompt to continue unfinished programs after power returns.

Applications

The 32-Sample Nucleic Acid Extractor extracts DNA and RNA from: Animal and plant tissue Viruses, bacteria and fungi Plasmids Whole blood Cultured cells

Mechanics

- High-precision screw transmission
- Stepper motor drive for accurate, safe motion
- Spacious, bright observation window with UV-protective glass

Control and Software

- 10.1-inch capacitive touch screen
- Real-time display of progress and remaining time
- Program import/export via USB flash drive
- Keyboard and mouse support
- Ethernet remote control
- Resumes unfinished programs after power is restored

Safety

- UV disinfection
- Door-open protection
- Automatic data protection