HEPA-Filtered Nucleic Acid Extractor, 1-32 Samples, >99.5% Bead Recovery, UV, 20-1000 µL

Model **MSNAE-0132SWISS** | Brand **Master Science**







The Master Science HEPA-Filtered Nucleic Acid Extractor automates magnetic bead extraction for 1 to 32 samples per run, working volumes of 20-1000 µL in 96 deep-well plates and 6-well reagent strips. Its intelligent cyclic magnetic absorption keeps bead residue below 0.5% in any system, with bead recovery above 99.5%.

KEY HIGHLIGHTS

- Very low bead carry-over
- Cleaner extractions
- Accurate heating
- Organised methods

AT A GLANCE

10-99°C
TEMPERATURE CONTROL

Deep vacuum heating strip reduces the gap.
TEMPERATURE DIFFERS FROM THE SET VALUE

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

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www.themsci.com

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Overview

A UV disinfection lamp and a level 11 HEPA filter reduce aerosol contamination, and the heating strip with deep vacuum wrapping keeps actual temperature close to the 10-99°C set point. A 10-inch colour screen lets the unit run on its own without a computer.

> For a 10.1-inch touch screen model, see our 32-Sample Nucleic Acid Extractor, an alternative to the HEPA-Filtered Nucleic Acid Extractor.

Key Benefits

Very low bead carry-over
Cyclic magnetic absorption keeps residue under 0.5%.

Cleaner extractions
UV disinfection and HEPA filtration reduce aerosol contamination.

Accurate heating
Close match between set and actual temperature.

Organised methods
64 user accounts with 100 programs each.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSNAE-0132SWISS
SKU	MSNAE-0132SWISS
Sample Throughput	1-32 per run (minimum 1)
Plate Positions	2
Consumables	96 deep-well plate, 6-well reagent strip, etc.
Heated Positions	Columns 2, 6, 8, 12
Temperature Control	10-99°C
Working Volume	20-1000 µL
Magnetic Bead Recovery	> 99.5%
Bead Residue	< 0.5%
Sensing	Pyroelectric technique
Network	Ethernet for remote control
UV Light	Yes
Contamination Control	Level 11 HEPA filter
Noise	< 60 dB
Mixing	Adjustable, multiple modules and scales
Magnetic Absorption	One-step or multiple; 1-10 cycles adjustable
Power	AC 110-240 V, 50-60 Hz
Operating Conditions	10-40°C, humidity below 80%

DISPLAY & DATA

Display	10-inch, 1024 x 768 colour screen; stand-alone operation
USB Interface	Yes
Program Storage	Up to 64 accounts, 100 programs each

DIMENSIONS & WEIGHT

Dimensions	405 x 350 x 465 mm (±10 mm)
Weight	22.5 kg (±0.5 kg)

HOW IT IMPROVES EXTRACTION QUALITY

Magnetic bead carry-over in eluates	Bead residue kept below 0.5%.
Aerosol contamination	HEPA filter and UV lamp.
Temperature differs from the set value	Deep vacuum heating strip reduces the gap.
Many users sharing one instrument	Up to 64 accounts with separate programs.

Applications

The HEPA-Filtered Nucleic Acid Extractor is suited to
DNA and RNA extraction with magnetic bead kits
Clinical and diagnostic laboratories Molecular biology research Prefilled 96-well plate kit workflows

Extraction

- Intelligent cyclic magnetic absorption
- Removable magnetic rods for easy service
- Adjustable mixing with multiple modules and scales
- Two plate positions

Contamination Control

- UV disinfection lamp
- Level 11 HEPA high-efficiency air filter

Control

- 10-inch colour screen, no PC needed
- Switchable interface language
- Program classification and preset programs
- Ethernet remote control and USB