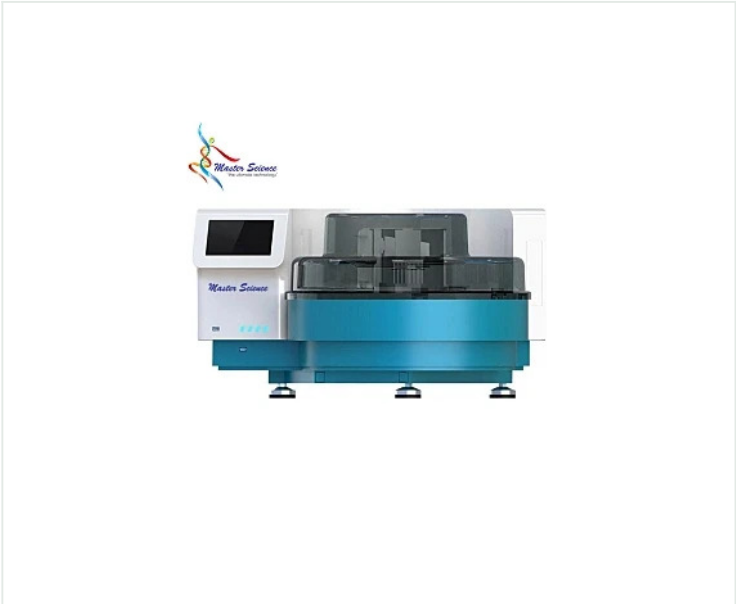
Automatic Nucleic Acid Extractor - Magnetic Bead DNA/RNA Extraction System - 96 Samples

Model **MSNAE-0196SWISS** | Brand **Master Science**





The Master Science Automatic Nucleic Acid Extractor purifies DNA and RNA using magnetic bead separation. Magnetic rods fitted with disposable tip combs collect, release and move the beads between pre-filled deep-well plates, so up to 96 samples are processed in about 13 minutes with no pipetting between steps.

KEY HIGHLIGHTS

- High throughput
- Low contamination risk
- Clean eluates
- Flexible input
- No lost runs

AT A GLANCE

10 to 99 °C
TEMPERATURE CONTROL

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

support@themsci.com
www.themsci.com

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Overview

It works with saliva, swabs, dried blood spots, whole blood, serum, plasma and animal or plant tissue. The heating module and magnetic rods can be swapped to a 24-channel set for large-volume samples.

Overview

- Magnetic rod and tip comb technology
- 96 or 24 channel configuration
- Heating 10 to 99 °C

Key Benefits

High throughput
the Master Science Automatic Nucleic Acid Extractor handles 96 samples in about 13 minutes.

Low contamination risk
closed cabinet, UV and HEPA filtration.

Clean eluates
repeated bead capture leaves under 0.5 % residue.

Flexible input
20 µL to 5 mL samples.

No lost runs
power-off protection resumes the program.

Extracted nucleic acids can be checked on a Master Science nano UV-Vis spectrophotometer.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSNAE-0196SWISS
SKU	MSNAE-0196SWISS
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Model Number	MSNAE-0196SWISS
SKU	MSNAE-0196SWISS
Principle	Magnetic bead separation with magnetic rods and disposable tip combs
Throughput	1 to 96 samples (24-channel large-volume option)
Processing Time	About 13 min for 96 samples
Sample Volume	20 µL to 5 mL
Temperature Control	10 to 99 °C
Bead Recovery	> 99.5 % (residual beads < 0.5 %)
Mixing	Multi-mode, multi-speed, amplitude adjusted to liquid volume
Drive	Servo motor
Contamination Control	Closed enclosure, UV lamp, level 11 HEPA filter
Programs	> 500 stored
Operating Conditions	5 to 40 °C, below 80 % RH

DISPLAY & DATA

Display	7-inch colour screen
Interface	RS232

POWER

Power-off Protection	Program resumes after power returns
Power Supply	100 to 240 V AC, 50/60 Hz

DIMENSIONS & WEIGHT

Dimensions	685 × 840 × 420 mm
Net / Gross Weight	45 kg / 74 kg

COMMON LABORATORY PROBLEMS AND HOW THIS EXTRACTOR HELPS

Common Laboratory Problems and How This Extractor Helps	How the Master Science Automatic Nucleic Acid Extractor improves sample preparation:
Slow manual column extraction	96 samples in about 13 minutes.
Aerosol cross-contamination	enclosed system with UV and HEPA.
Bead carryover inhibiting PCR	residual beads below 0.5 %.
Overflow from wrong settings	automatic amplitude adjustment.

Applications

The Master Science Automatic Nucleic Acid Extractor processes: Saliva and swab samples Whole blood, serum and plasma Dried blood spots Animal and plant tissues Molecular diagnostics and research workflows

Smart Control

- Liquid level recognition
- Cyclic bead capture
- Over 500 stored programs

Safety

- UV sterilisation lamp
- Level 11 HEPA filter
- Power-off protection

Optional Accessories

- 24-channel magnetic rod and heating module set
- Compatible pre-filled extraction reagent kits