Automated RNA Extraction Machine
MaxExtraction96 (Throughput-96)

Introduction: This automated extraction machine based on a magnetic rod-based nucleic acid separation technology in combination with extraction reagents based on preloaded magnetic beads process 1 to 96 samples and purify nucleic acids from a variety of materials, such as: blood, cells, and viruses. To achieve fully automated nucleic acid purification, magnetic beads are absorbed, transported, and released by a specific magnetic rod.

Features

Strong Magnetic Force
Magnetic beads are recovered at a rate of ≥98 percent using a 5500 Gauss magnetic rod.

Customer Support
Our team supports customers creating and editing protocols in addition to pre-programmed protocols to fulfill a variety of needs.

Convenient
It fits into a standard biological safety cabinet.

Accurate Temperature Control
Heating for lysis and elution is done automatically, with a quick heating speed.

Prevents Cross-contamination
The UV sterilizing module and intelligent magnetic rod motion control system efficiently eliminate cross-contamination between wells.

Smart Door
The application automatically pauses when the door is opened and resumes when the door is closed.

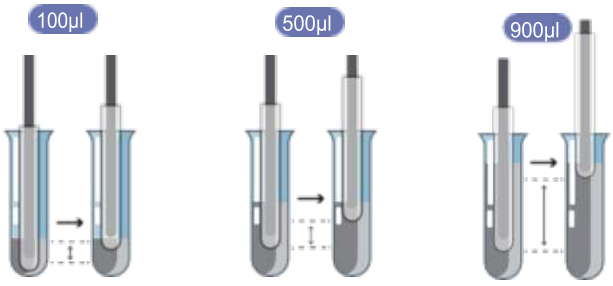
Flexible
Suitable for use with a variety of magnetic bead-based extraction reagents

Fast Operating Time
Within few minutes this machine can extract RNA or DNA from up to 96 samples.

MAZ Precision Lab
Tel：(1)778-4888026 | Fax：(1) 250 346-2921
e-mail：info@maxprecisionlab.com Website：https://www.maxprecisionlab.com
Address 1: 1F, 11, Lane 133, Fu Hsing 2nd Rd., 33478 Taiwan, Taoyuan City.
Address 2: 30 N Gould St, STE 4000, Sheridan, WY 8280, U.S.A.

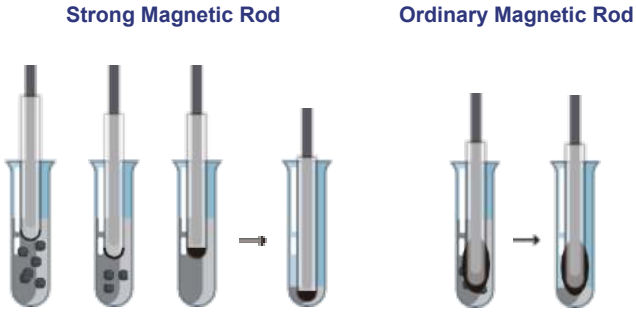
Outstanding Magnetic Rod

The driving device is connected with a high-performance motor and a magnetic rod with a considerable vibration amplitude. In order to provide a good and uniform mixing effect, the vibration amplitude can be adjusted according to the solution volume. The rod is controlled by a ball screw actuator, which ensures smooth operation, high precision, and extended service life. To prevent instrument failure, each moving component is safeguarded by a limit position protection mechanism.

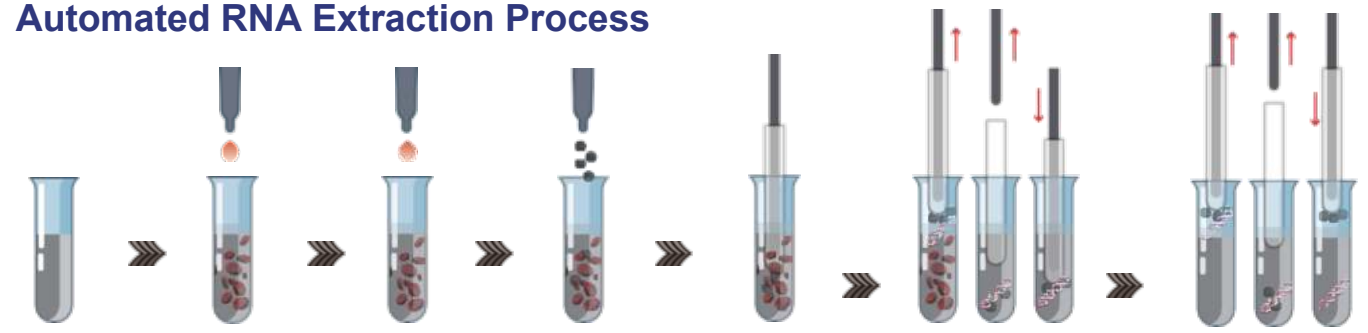


Strong Magnetic Rod

The magnetic beads are adsorbed on the head of the magnetic bar, ensuring that the elution buffer can still cover all of the magnetic beads even with a limited elution volume. The high yield of nucleic acids is ensured by the excellent recovery of magnetic beads.



Automated RNA Extraction Process



Samples	To release the nucleic acid, samples are lysed in Lysis buffer.	Transfer the magnetic beads to the lysis buffer, fully blend, and make sure that the nucleic acids are adsorbed onto the appropriate coated material on the magnetic beads' surface.	Clean the surface of magnetic beads to eliminate any excess protein or salt.	The magnetic beads are transferred to the elution buffer to be mixed thoroughly, the nucleic acid falls off the surface of the magnetic beads and dissolves into the elution buffer.

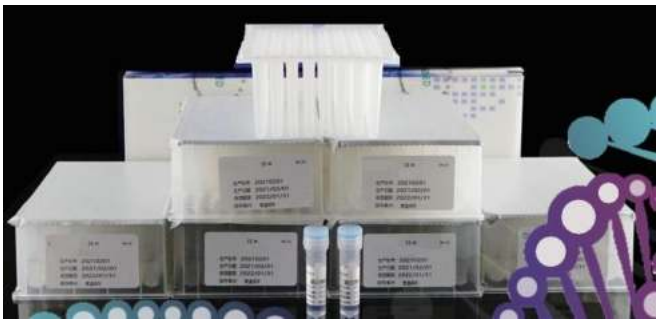
Specifications

Product name	MaxExtraction96
Model	A11
Certification	CE/ RoHS
Extraction channel	1-96
Consumables	96 well plate + Tip comb
Nucleic acid extraction time	15-35 minutes
Temperature control precision	0.5℃
Temperature control accuracy	±1.5℃
Temperature uniformity	±1.0℃

Heating range	Room temperature ~95℃
Nucleic acid extraction purity	1.8≤OD260/OD280≤2.0
Inter-well purification variation	CV<3%
Magnetic beads recovery	≥98%
Touch screen size	7 inch color touch screen
Disinfection/decontamination method	UV
Input power	AC 100-240V～, 5.9-2.7A, 50/60Hz
Product weight	52±1kg
Product size	743mm*465mm*447mm

MAZ Precision Lab
Tel：(1)778-4888026 | Fax：(1) 250 346-2921
e-mail：info@maxprecisionlab.com Website：https://www.maxprecisionlab.com
Address 1: 1F, 11, Lane 133, Fu Hsing 2nd Rd., 33478 Taiwan, Taoyuan City.
Address 2: 30 N Gould St, STE 4000, Sheridan, WY 8280, U.S.A.

Viral RNA Extraction Kit – MaxExtraction96 Kit



This Viral RNA extraction kit is compatible with MaxExtraction96 (A11) automated nucleic acid extraction system for extracting ADN/ARN genomically from microorganisms pathogens in samples such as serum, plasma, cultured cells, saliva, alveolar lavado liquid, aspirates, and nasofarngeos.

Name
Viral RNA Extraction Kit by Magnetic Beads

Cat. No.: A12

Size: 96 Reactions

Shipping temperatura: Room temperature

Storage temperature:
Room temperature.
Fort the long term keep betweeen: 2-8℃

Expiry date: 12 months

Compatibility:
MaxExtraction96 RNA extraction machine (A11)

Advantages

Stable Proteinase K

Our Protease K is stable at ambient temperature, this kit can be transported without ice.

Strong Binding

Magnetic beads designed for pathogenic microbial genomes offer outstanding nucleic acid adsorption properties.

Strong Sealing

High viscosity sealing tape prevents fluid leakage.

Highly Sensitive

This kit can recover trace DNA/RNA from harmful bacteria with good reproducibility and purity.

Procedures

Tear off the sealing film

Add the sample and proteinase K

Load into the instrument

The nucleic acid extraction is completed

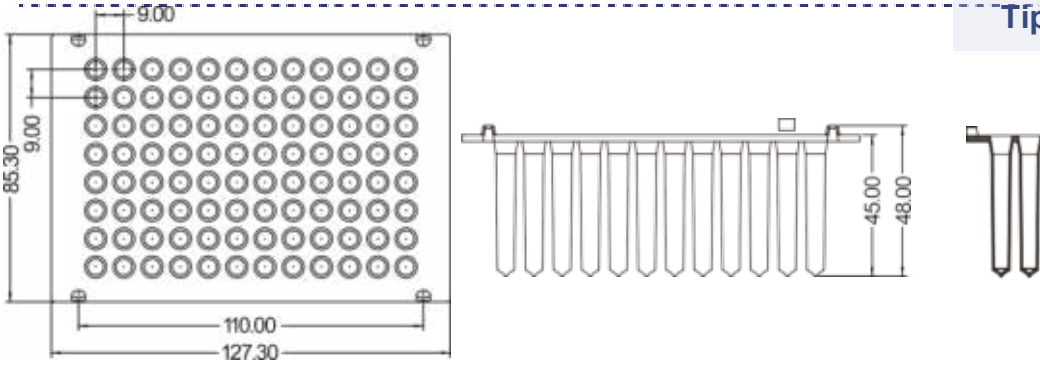
MAZ Precision Lab
Tel：(1)778-4888026 | Fax：(1) 250 346-2921
e-mail：info@maxprecisionlab.com Website：https://www.maxprecisionlab.com
Address 1: 1F, 11, Lane 133, Fu Hsing 2nd Rd., 33478 Taiwan, Taoyuan City.
Address 2: 30 N Gould St, STE 4000, Sheridan, WY 8280, U.S.A.

Components

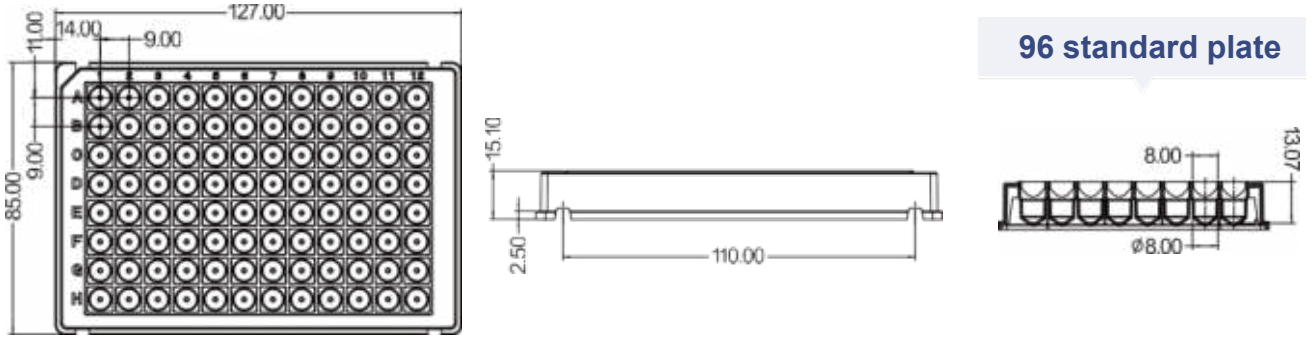
Components	Quantity	Capacity	Components
Tip comb	1	/	/
Plate for samples	1	500μL×96	Guanidine Hydrochloride, TritonX-100, EDTA, etc
Beads plate	1	200μL×96	Magnetic Beads
Washing 1 plate	1	600μL×96	Guanidine Hydrochloride, EDTA, etc
Washing 2 plate	2	600μL×96	75% ethanol
Elution plate	1	100μL×96	TE buffer
Proteinase K	1mL x 2	/	Proteinase K

Dimensions

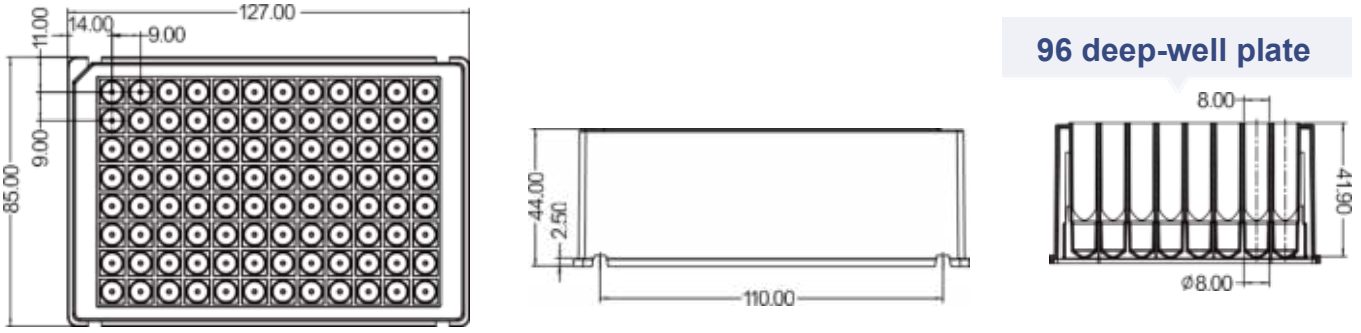
Tip comb



96 standard plate



96 deep-well plate



MAZ Precision Lab
Tel：(1)778-4888026 | Fax：(1) 250 346-2921
e-mail：info@maxprecisionlab.com Website：https://www.maxprecisionlab.com
Address 1: 1F, 11, Lane 133, Fu Hsing 2nd Rd., 33478 Taiwan, Taoyuan City.
Address 2: 30 N Gould St, STE 4000, Sheridan, WY 8280, U.S.A.