

PRODUCT PARAMETERS

Performance item	Parameters description
Technical principle	Magnetic rod method- magnetic beads transferring technology
★Sample flux	1-16 samples
Processing volume	20μL-1200μL
Applicable consumables	96-hole cone-bottom deep hole plate, 96-hole round-bottom deep hole plate, single reagent strip
Magnetic sticks	16
Bead recovery	≥98%
Precision	CV<3%
★Heat	Pyrolysis and elution heating (40 to +120°C)
Stir to mix	Sixth gear(Fast, medium, slow, Fast+, slow-, slow--)
★Injection method	Ergonomic drawer type sampling, easy to take and put consumables
★Automatic instrument protection	Automatic detection of magnetic sleeve to avoid leakage of magnetic sleeve
Reagent type	Open platform, can be used for all kinds of reagents that based on magnetic beads method.
★Extraction time	9-45 minutes (depending on the reagent kit)
★Operating interface	7-inch colorful touch screen, humanized Chinese interface (English is optional),No external computer required
★Internal program	Free to edit and store, 120 programs
Program management	This machine can be programmed in parallel, new, edit, delete, import, export and so on
Extension interface	1 USB port
Sterilization	Ultraviolet disinfection
Venting	Fan exhausting, Built-in Micro SD card
Data storage	storable
★Running noise	55dBA (Typical)
Operating temperature	10-40℃
Humidity	10-90% relative humidity (non-condensing)
Power source	100-240VAC,45-65Hz
Full dimension	200mm(W)×260mm(D)×262mm(H)
weight	About 7.5kg

Mini-16

Automatic Nucleic Acid Extractor



- ✓

 Compact and light
- ✓

 Powerful function
- ✓

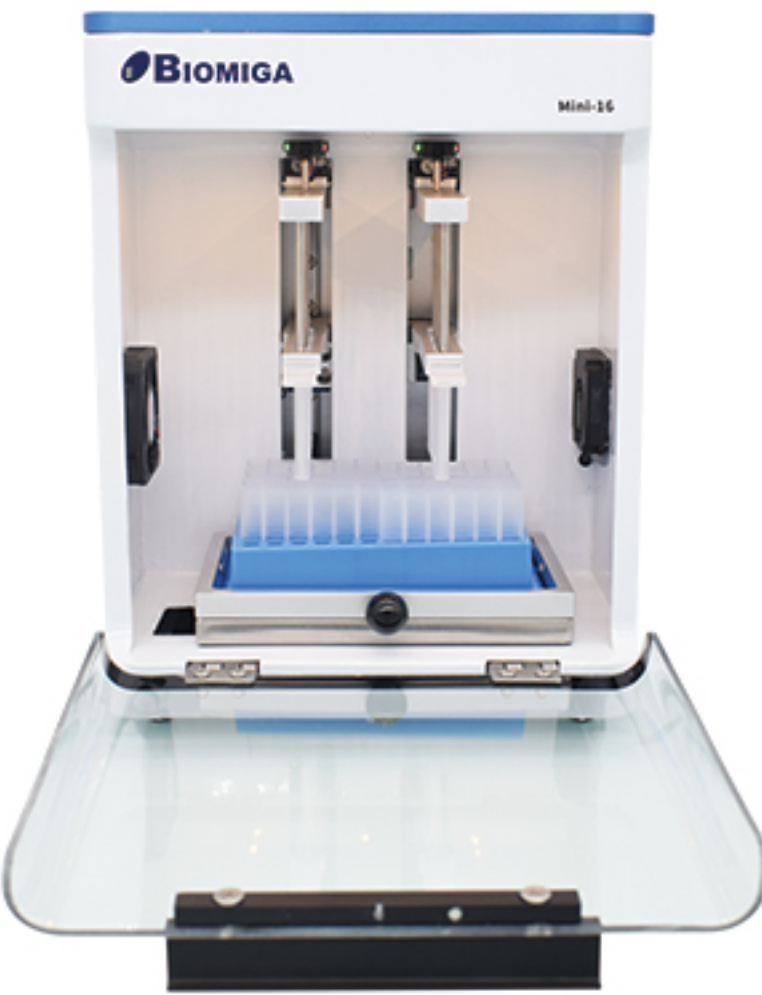
 Flexible intelligence
- ✓

 Safe and reliable

PRODUCT INTRODUCTION

Mini-16 automatic nucleic acid extractor adopts magnetic bead separation technology, using 2.2ml deep hole plate, 2.2ml reagent strip, 8 magnetic rod sleeve; This equipment can match different kinds of magnetic bead nucleic acid extraction kits. It can operate 1-16 samples at the same time, and takes 9 to 45 minutes to extract DNA or RNA quickly from different samples.

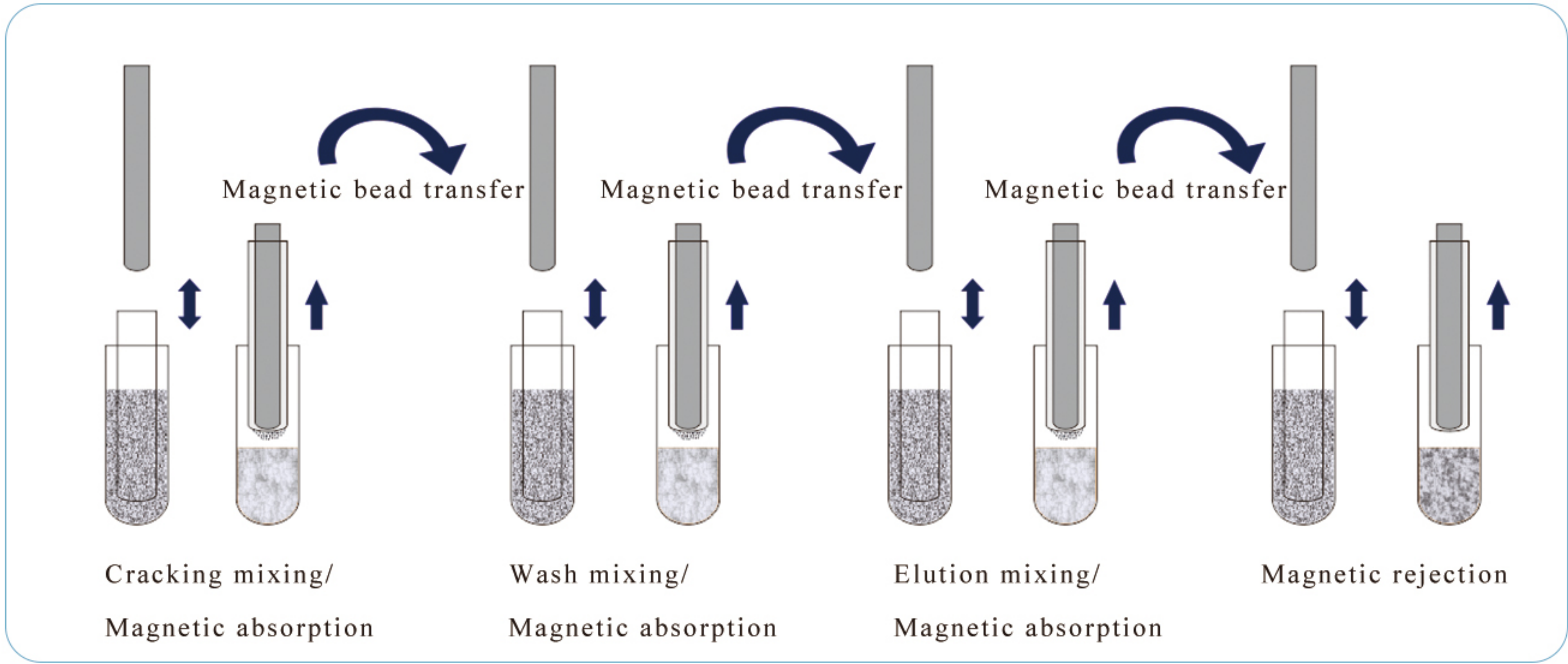
This equipment has flexible flux. When working with the single-strip reagent, it can do the simultaneous extraction from 1-8 samples; Equipped with 7-inch colorful touch integrated operation interface, you can freely edit the extraction program; Configuring negative pressure exhaust and UV lamp disinfection function, it can avoid aerosol pollution, making experiment safe and reliable; It is especially suitable for on-site nucleic acid extraction of scattered samples. Cooperating with the real-time fluorescence quantitative PCR ,it can easily realize the instant detection of outdoor samples.



Mini-16

PRINCIPLE OF OPERATION

The universal magnetic bead method for nucleic acid extraction has the advantages of high automation, fast extraction speed, stable results and simple operation. The magnetic rod will adsorb the magnetic beads binding with nucleic acid will be moved to different reagent holes, and then the reagent will be quickly and repeatedly stirred through the mixing sleeve, so that the reagent and the magnetic beads will be evenly mixed and refined . Managing procedure of Cell lysis, magnetic bead adsorption of nucleic acid, magnetic bead transfer, washing of nucleic acid impurities and nucleic acid elution, high purity of nucleic acid will be extracted.



PRODUCT FEATURES

Automated flexible extraction

1-16 samples can be extracted at the same time , 1-8 samples simultaneous extraction can be achieved by using the single trip reagent of meaning flux.

High efficiency

Strong magnetic sticks and the Beads magnets optimization makes the sample DNA&RNA extraction easier. Which improve the elution effeciency

Precision

Easy to handle all kinds of tiny magnetic beads, easy to achieve the extraction of nucleic acid without wall hanging and no residue.

Humanization

Flexible human &computer interaction interface, Pre- setting multiple groups of programs, which makes simple for users.

Intelligence

Memory function: Cut the power Unintentionally, Turn on the button ,Run the left program.The machine can automatically control the temperature of sample lysate and elution .

Security

With ultraviolet disinfection system, effectively prevent air air contamination, improve the safety of the experiment.

