MagRotex 24 Large Volume Nucleic Acid Extractor

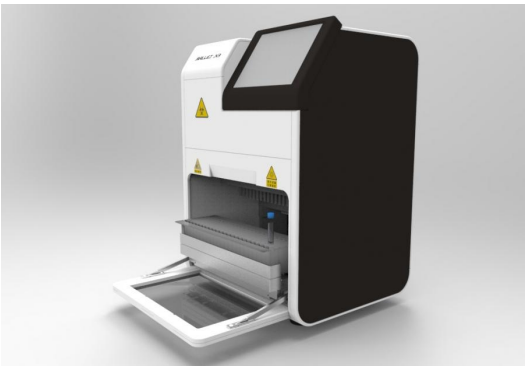
1. Introduction of Instrument

MagRotex 24 Large-volume Nucleic Acid Extractor adopts innovative rotation type magnetic beads resuspension technology and smart and flexible design extraction consumables. It not only meets the large sample (sample volume up to 6000ul) nucleic acid extraction applications, but also can select consumables quantity in accordance with the number of samples, which ensures the accuracy and independence of the sample processing procedure while avoiding the waste of consumables, to achieve zero loss of supplies reagent. It can possess 1-24 different samples nucleic acid extraction and purification at a time.

Users can perform simple operations through the large-size touch screen of the instrument to start the experiment. After the end of the experiment, the extraction of nucleic acids stored in a separate elution tube, the elution tube can be taken out and cryopreservation or for subsequent detection using.

2. Application range

The second generation of sequencing free DNA, nucleic acid sample room, nucleic acid testing blood screening, clinical testing, disease control systems, ultra-sensitive detection extraction, scientific research institutions.



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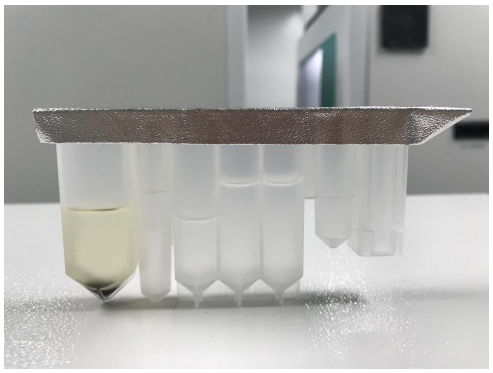

Pre-mixed Reagent

3. Instrument Features

Large volume processing	With large-volume sample volume processing capability, capable of processing nucleic acid extraction of 0.5-6 ml samples
Rotation type magnetic beads resuspension technology	Innovative rotation magnetic bead resuspension technology is adopted to avoid aerosol pollution caused by blowing, patting or shaking and to ensure the integrity of nucleic acid structure. User-friendly touch screen operation, large-screen color Chinese display interface, convenient key setting and easy use of cartridge. Flexible program editing function, customized operation mode and step time, to meet the needs of different reagents

Independent consumables design	Separate consumables for each sample, independent of each other, to avoid cross-contamination. Consumables are selected according to the number of samples, economical and efficient. The nucleic acid samples are eluted in a separate elution tubes for convenient sample storage.
Safety protection	The automatic locking function of the extraction bank door is applied to ensure safe operation; built-in UV sterilization function to ensure laboratory biology safety.

4. Instrument Parameters

Extraction mode	Rotation and blending, allowing single-sample extraction with independent consumables, capable of simultaneous extraction of up to 24 samples
Sample volume	500ul-6000ul
Processing volume	50ul-12ml
Processing throughput	24 samples
Independent nucleic acid elution tube	Supported; elution tube and extraction consumables can be separated and stored separately.
Blending method	Rotation
Operating interface	Large screen touch control operation, graphical interface, simple and easy to use
UV ultraviolet sterilization	Supported
Pre-packaged reagent	Supported
Extraction speed	30~70 min/run (sdepends on the technical requirements of extraction reagent)
Range of temperature control	Room temperature to 99℃
Difference between extracting holes	Variation coefficient ≤ 1%
Operating humidity range	≤80%
Weight	50Kg
Dimensions	446mmx384mmx633mm