

I Introduction

MGIEasy Nucleic Acid Extraction Kit can efficiently purify the viral DNA and RNA from different samples and is suitable for use in downstream molecular detection.

Product Name	MGIEasy Nucleic Acid Extraction Kit
Configuration	96 preps/Kit, 1728 preps/Kit
Sample Types	Throat swabs BALF (bronchoalveolar lavage fluid)
Automatic Platform Compatibility	MGISP-960 , MGISP-100
Application	PCR , RT-PCR , sequencing

I Highlight

✓ Compatible with various sample types

Suitable for throat swabs , BALF , et al.

✓ High throughput

Provide automation-ready protocol designed for the MGISP-960 and MGISP-100.

✓ Broad range of application

Including PCR , real-time PCR and massively parallel sequencing.

✓ Efficient

Optimized chemistry components enable efficient purification of virus DNA and RNA from cell-free samples.

I Performance

Sample:

The standard virus RNA of inactive coronavirus is spiked into healthy saliva samples and throat swabs, which are diluted at different concentrations.

Virus RNA extraction and detection:

Virus RNA is extracted from each sample using MGIEasy Nucleic Acid Extraction Kit and MGISP-960 and compared with competitor (Supplier Q) by manual. The extracted RNA product is detected by RT-PCR.

Results:

The Ct value of MGI method is lower than that of competitor Q, indicating the yield of virus RNA extraction is higher than that of competitor Q.

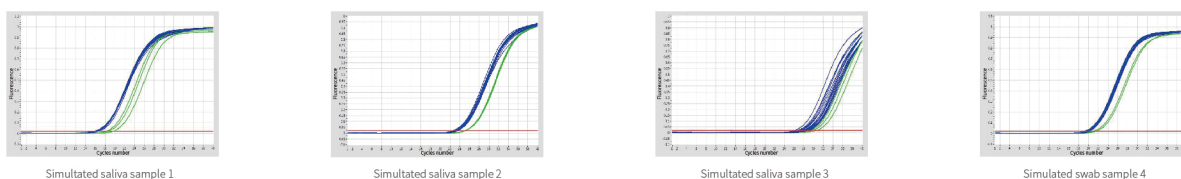


Fig 1. Comparing the amplification curve of RT-PCR of two extraction methods. The blue line indicates the amplification curve with MGI method , and the green line indicates the competitor' s amplification curve.

Automatic Nucleic Acid Extraction Solution

Highlight

► One-stop solution for virus DNA/RNA extraction

MGI provides all of products for the solution , including MGISP system , consumables and extraction kits.

► High reproducibility

MGISP system could reduce the user operating errors and increasing the reproducibility of results.

► Safety

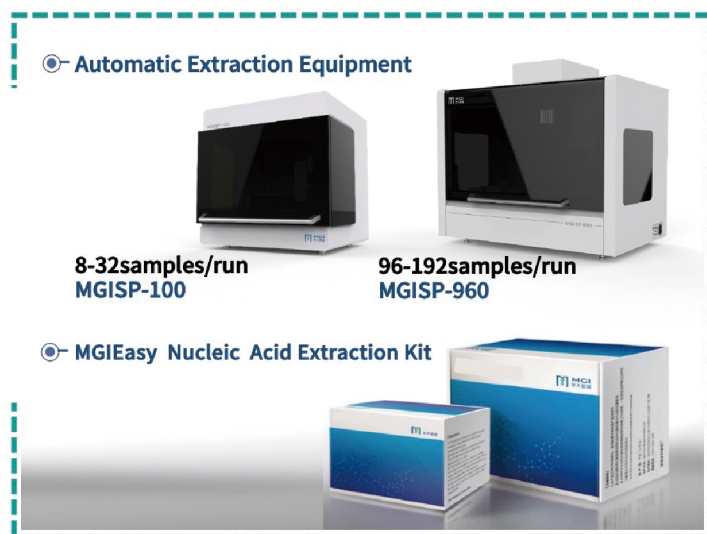
MGISP integrated UV lamp , laminar flow hood (ISO5) and a closed protective door , and are suitable for processing the infectious samples safely.

Order Information

Reagents		
Cat. No.	Product Name	Specification
1000020261	MGEasy Nucleic Acid Extraction Kit	1728 preps , RUO
1000020471	MGEasy Nucleic Acid Extraction Kit	96 preps , RUO

Automation Workstation		
Cat. No.	Product Name	Configuration
900-000154-00	MGISP-960RS High-throughput Automated Sample Preparation System , V9	EA
900-000206-00	DNA Sequencing Library Preparation System MGISP-100RS	EA

Consumables		
Cat. No.	Product Name	Configuration
1000000723	250 μ L automated filter tips	10 boxes per bag
1000004644	1.3 mL U-bottom deep-well plate	2 plates per bag
1000012059	Hard-shell thin-wall 96-well skirted PCR plates, white shell/clear well	10 plates per bag
1000004341	Break-away 96-well , clear tubes , purple frame	10 plates per bag
1000002039	Strips of 8 flat optical caps	12 strips per bag



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