

Nucleic Acid Extraction Kit



Easy to use

All the reagents prepacked into 96 well plate, the on-hand time is very short.

Fast

Approximate 9 mins from sample to nucleic acid

High efficiency

The LOD of this kit for RT-PCR detection is 500 copies/mL

The Kit is designed for extracting viral nucleic acid from throat swab samples with special buffer which make the TAT as short as 9 minutes, all the reagents prepacked into 96 well plate, compatible with MGISP-NE32 perfectly. the extracted product can be used for RT-PCR and Sequencing.



Performance

High efficiency

We diluted and extracted the pseudovirion, followed by RT-PCR, the result indicates our kit can efficiently and stably extract the viral nucleic acid as low as 500 copies/mL

Table 1 RT-PCR result

Number	Ct value for 500cp/mL pseudovirion
1	35.3
2	34.9
3	35.0
4	34.6
5	35.1
6	34.8
7	34.2
8	35.3
9	35.3
10	34.8
Mean	34.9
CV	0.94%

Compare to competitor

We extracted the Avian influenza virus using our kit and competitor Z kit respectively, followed by RT-PCR, the result indicates our kit are much more efficient and stable

Table 2 RT-PCR result

Number	Ct value for MGI	Ct value for Competitor Z
1	31.8	38.0
2	32.2	38.7
3	32.2	Undetected
4	32.6	37.0
5	32.2	37.0
6	31.9	35.7
7	31.8	38.4
Mean	32.1	37.5
CV	0.90%	2.96%

Order info

Reagent

Name	Cat.No.	Certification
Nucleic Acid Extraction Kit	1000023937	CE-IVD

Instrument

Name	Cat.No.	Certification
MGISP-NE32	950-000013-00	CE-IVD

Product info

Name	Nucleic Acid Extraction Kit
Model	VDR03P-32
Specification	32 RXN
Storage temperature	0~8°C
Sample type	Swab
Input volume	200 μL
Elution volume	50 μL
TAT	9 minutes approximately

