

# Nucleic Acid Extraction Kit

The Kit is designed for extracting viral nucleic acid from throat swab samples with special buffer which make the TAT as short as 10 minutes, all the reagents preppacked into 96 well plate, compatible with MGISP-NE32 perfectly. the extracted product can be used for RT-PCR and Sequencing.



## Easy to use

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



## Fast

Approximate 10 mins from sample to nucleic acid



## High efficiency

The LOD of this kit for RT-PCR detection is 150 copies/mL



## Performance

### ● High efficiency

We diluted and extracted the 150 copies / mL pseudovirion, followed by RT-PCR, the result indicates all the sample detected successfully

Table 1 RT-PCR result (Cutoff≤38)

Sample ID	Ct value	Sample ID	Ct value
S1	34.09	S11	35.64
S2	34.56	S12	34.47
S3	34.89	S13	35.4
S4	34.08	S14	34.17
S5	34.49	S15	35.68
S6	34.7	S16	35.58
S7	37.65	S17	33.9
S8	35.27	S18	35.27
S9	35.9	S19	34.85
S10	34.03	S20	34.04

- Compare to competitor

We extracted the pseudovirion using our kit and competitor Q kit respectively, followed by RT-PCR, the result indicates our kit is more efficient.

**Table 2** RT-PCR result (Cutoff $\leq$ 38)

Sample ID	Competitor Q	MGI	Sample ID	Competitor Q	MGI
S1	34.7	33.1	S9	34.9	35.4
S2	34.6	33.8	S10	38.5	35.0
S3	34.7	33.6	S11	35.7	35.0
S4	34.4	33.6	S12	35.1	35.7
S5	35.9	33.9	S13	38.5	35.6
S6	34.6	34.6	S14	37.0	34.2
S7	34.1	34.5	S15	36.7	37.9
S8	34.4	33.8	S16	39.3	35.7
Mean	34.7	33.9	Mean	37.0	35.6
CV	1.52%	1.45%	CV	4.55%	2.97%

\* S1-S8 is 500 copies/mL, S9-S16 is 150 copies/mL



## Product info

Name	Nucleic Acid Extraction Kit
Model	VDR03P-32
Specification	32 RXN
Storage temperature	2~8℃
Sample type	Swab
Input volume	200 $\mu$ L
Elution volume	50 $\mu$ L
TAT	10 minutes approximately



## Order info

### Reagent

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

### Instrument

Name	Cat.No.	Certification
MGISP-NE32RS	950-000013-00	CE-IVD

**MGI Tech Co.,Ltd.**

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<https://bit.ly/34Cfqpe>