



## High accuracy for RT-PCR using the product extracted by this kit

We extracted the H1N1 and influenza B throat swab samples using this kit. The extracted product tested by RT-PCR, we found the result consistent with the clinical result.

**Table 2 RT-PCR result ( Cutoff: Ct < 38 )**

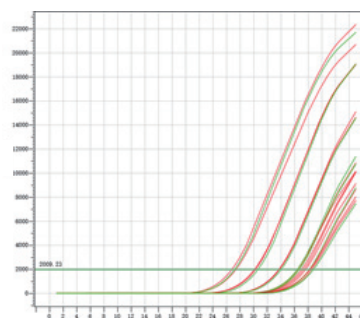
Sample ID	Species	Ct value	Clinical result	Sample ID	Species	Ct value	Clinical result
1	H1N1	28.8	Positive	15	influenza B	20.0	Positive
2	H1N1	35.3	Positive	16	influenza B	27.2	Positive
3	H1N1	31.1	Positive	17	influenza B	26.8	Positive
4	H1N1	33.3	Positive	18	influenza B	26.5	Positive
5	H1N1	31.5	Positive	19	influenza B	undetected	Negative
6	H1N1	37.9	Positive	20	influenza B	22.2	Positive
7	H1N1	24.0	Positive	21	influenza B	23.9	Positive
8	H1N1	31.8	Positive	22	influenza B	30.6	Positive
9	H1N1	23.4	Positive	23	influenza B	25.6	Positive
10	H1N1	31.3	Positive	24	influenza B	25.6	Positive
11	H1N1	undetected	Negative	25	influenza B	31.4	Positive
12	H1N1	24.0	Positive	26	influenza B	29.9	Positive
13	H1N1 positive control	23.9	-	27	influenza B positive control	24.1	-
14	H1N1 negative control	undetected	-	28	influenza B negative control	undetected	-

## High efficiency

The diluted HCV plasma samples extracted by MGI and QIAGEN kit. The extracted product tested by RT-PCR. The result indicate MGI's kit has the similar efficiency to QIAGEN's kit.

**Table 3 RT-PCR result**

Concentration	Ct-MGI	Ct-QIAGEN
1E5 IU/mL	27.33	27.48
1E4 IU/mL	30.45	30.86
1E3 IU/mL	33.99	34.28
1E2 IU/mL	37.35	36.95
1E2 IU/mL	37.61	36.66
50 IU/mL	38.19	38.44
50 IU/mL	37.87	39.01



**Figure 2 RT-PCR curve**

## Product Information

Name	Nucleic Acid Extraction Kit
Specification	32 RXN
Model	OP02-32
Certification	CE-IVD
Storage	0~8℃
Sample type	Throat swab
Input volume	300 μL
Elution volume	80 μL
Compatible instrument	MGISP-NE32
TAT	35 minutes
Application	PCR,RT-PCR,Sequencing

## Order information

### Reagent

Name	Cat.No.	Certification
Nucleic Acid Extraction Kit	1000022606	CE-IVD



### Instrument

Name	Cat.No.	Certification
MGISP-NE32 Automated Nucleic Acid Extractor	950-000013-00	CE-IVD

