

MagaBio Plus Virus DNA/RNA Purification Kit III



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Product Introduction

MagaBio Plus virus DNA/RNA Purification kit III compared to the previous two generations, this product uses a unique lysis system to rapidly lyse the virus, combined with a new magnetic bead technology for the purification of nucleic acids. The sample types cover tissue, feces, whole blood, serum, plasma, body fluid samples and swabs, which are more common and do not require protease K. **96** samples can be easily extracted in only **15** minutes. The purified nucleic acid can be used for detection of NGS, qPCR, etc.

Product Features



Wide application

Suitable for samples of tissue, feces, whole blood, serum, plasma, body fluid samples and swabs.



Easy to use

No need to add protease K, just add samples to complete whole extraction.



Rapid extraction

96 samples can be extracted in 15 minutes.



High sensitivity

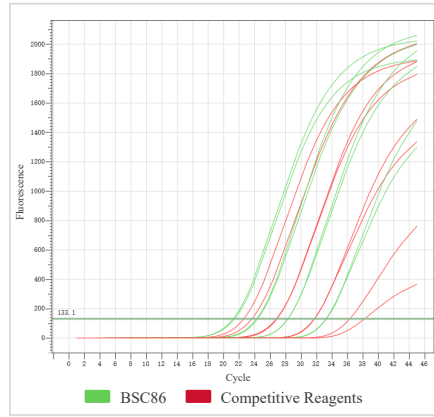
The sensitivity of DNA virus extraction was up to 10 IU/mL and RNA virus extraction was up to 50 IU/mL.

Application Cases

Case 1

The nucleic acid of porcine epidemic diarrhea virus (PEDV) was extracted by Magabio Plus Virus DNA/RNA Purification kit III (BSC86) and competitive reagents on the market, and then fluorescence quantitative detection was performed.

The results showed that the Magabio Plus Virus DNA/RNA Purification Kit III could efficiently extract nucleic acids from samples of various concentrations, and the linear relationship was good, and the quality was obviously better than other brand reagent on the market.



PEDV	BSC86 (Ct value)	Competitive Reagents (Ct value)
10	21.10	22.40
	20.80	23.17
100	24.13	26.85
	23.53	26.58
1000	27.63	31.22
	27.83	31.58
10000	31.48	39.01
	31.52	36.40
Negative Control	-	-

Figure-1

Table -1

Case 2

The Magabio Plus Viral DNA/RNA Purification Kit III reagent was used to determine the extraction sensitivity of samples with multiple dilutions of HBV DNA and HCV RNA viruses. The extracted products were tested by a highly sensitive detection reagent, and the results were shown in the figure

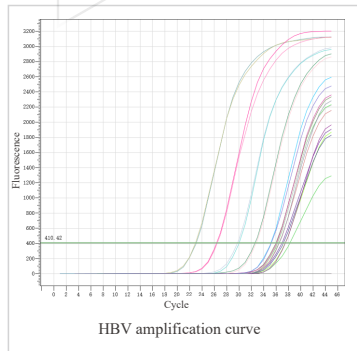


Figure-2

HBV virus concentration	Ct value	Detection rate	
10 ⁵ IU/mL	23.28	22.90	100%
10 ⁴ IU/mL	26.44	26.63	100%
10 ³ IU/mL	29.88	30.03	100%
10 ² IU/mL	33.32	32.68	100%
10 IU/mL	37.37	36.40	100%
	35.78	36.62	
	35.25	36.75	
	36.46	36.81	
Negative Control	-	-	-

Table -2

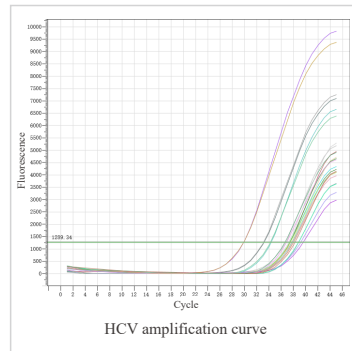


Figure-3

HCV virus concentration	Ct value	Detection rate	
10 ⁴ IU/mL	29.91	29.90	100%
10 ³ IU/mL	33.23	33.14	100%
500 IU/mL	34.41	34.27	100%
100 IU/mL	36.90	36.64	100%
50 IU/mL	37.54	36.78	100%
	37.49	37.43	
	37.83	39.63	
	37.51	38.88	
Negative Control	-	-	-

Table -3

Result: The Magabio Plus Viral DNA/RNA Purification Kit III reagent had a sensitivity of 10 IU/mL for the extraction of HBV DNA virus and 50 IU/mL for the extraction of HCV RNA virus. It indicates that the product has a good sensitivity when extracting DNA/RNA samples.

Ordering Information

Product Name	Cat#	Package	Reagent Type	Sample Type
Magabio plus Virus DNA/RNA Purification Kit III	BSC86S1B	50T	Bottle with reagent (magnetic bead)	Tissue, feces, whole blood, serum, plasma, body fluid samples and swabs
Magabio plus Virus DNA/RNA Purification Kit III	BSC86M1B	100T	Bottle with reagent (magnetic bead)	
Magabio plus Virus DNA/RNA Purification Kit III	BSC86T1C	16T	Prepacked reagent plates (magnetic bead)	
Magabio plus Virus DNA/RNA Purification Kit III	BSC86S1C	32T	Prepacked reagent plates (magnetic bead)	
Magabio plus Virus DNA/RNA Purification Kit III	BSC86T1S	16T	Prepacked reagent strips (magnetic bead)	
Magabio plus Virus DNA/RNA Purification Kit III	BSC86S1S	32T	Prepacked reagent strips (magnetic bead)	
Magabio plus Virus DNA/RNA Purification Kit III	BSC86M1S	48T	Prepacked reagent strips (magnetic bead)	
Magabio plus Virus DNA/RNA Purification Kit III	BSC86L1S	96T	Prepacked reagent strips (magnetic bead)	
Magabio plus Virus DNA/RNA Purification Kit III	BSC86T1E	16T	Prepacked reagent plates (magnetic bead)	
Magabio plus Virus DNA/RNA Purification Kit III	BSC86S1E	32T	Prepacked reagent plates (magnetic bead)	
Magabio plus Virus DNA/RNA Purification Kit III	BSC86M1E	48T	Prepacked reagent plates (magnetic bead)	
Magabio plus Virus DNA/RNA Purification Kit III	BSC86L1E	96T	Prepacked reagent plates (magnetic bead)	