

MagaBio plus Virus DNA/RNA Purification Kit II

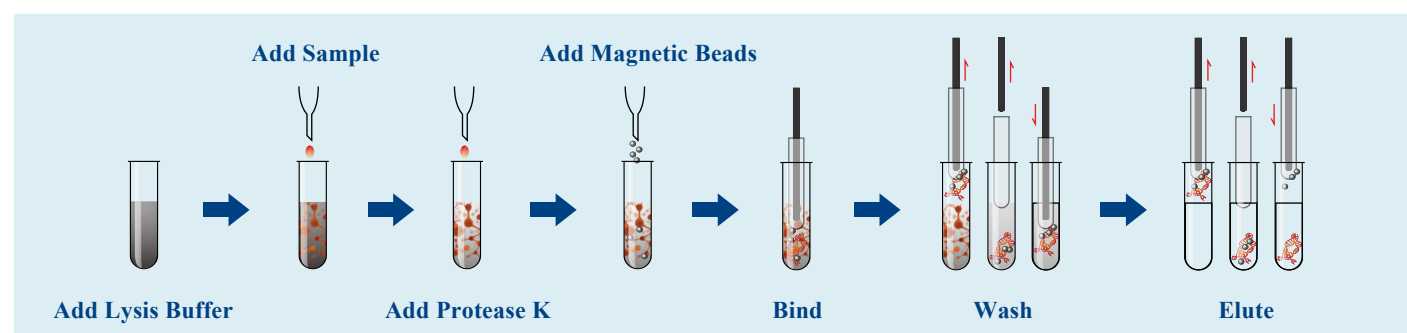
Product Introduction

The MagaBio plus Virus DNA/RNA Purification Kit II is designed for the rapid, efficient and automatic isolation and purification of high quality virus nucleic acid from a variety of samples on the automatic nucleic acid extraction system. It takes about only 35 minutes for the total procedure. The obtained virus nucleic acid can be used directly for a broad range of downstream applications, such as qPCR, NGS, etc.



- **Rapid and Reliable:** Fast procedures and easy to use
- **High Sensitivity:** DNA: 5 IU/mL, RNA: 50 IU/mL
- **High Efficiency:** $\geq 95\%$ of the nucleic acid can be combined.
- **Versatile:** Nucleic acid of various virus, e.g. SARS-CoV-2, Hepatitis, etc. in different samples, such as Serum, Plasma, Whole blood, Swabs, Saliva, Body fluid, Tissue, Feces, BALF, etc. for a broad range of down stream applications.
- **Safe:** Toxic free

Principle



Specifications

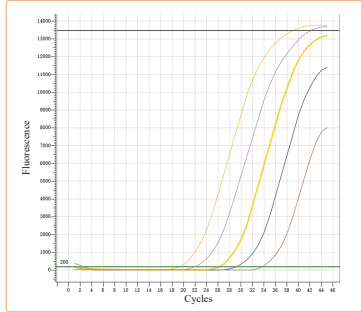
Features	Specifications
Method	Magnetic beads
Sample	Serum, Plasma, Whole blood, Swabs, Saliva, Body fluid, Tissue, Feces, BALF, etc.
Sample Volume	20-1000 μ L
Elution Volume	80 μ L

Features	Specifications
Processing Time	35 minutes
Yield	High purity viral DNA or viral RNA
Storage Conditions	2-30 $^{\circ}$ C
Shelf life	12 months

Application Cases

Case 1 To Extract DNA from HBV

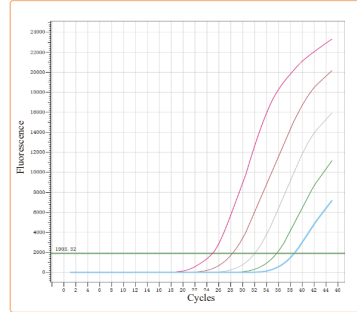
Gradient dilute the HBV positive plasma sample, extract the HBV DNA of the original and diluted plasma samples by using MagaBio plus Virus DNA/RNA Purification Kit II, followed with the quantitative detection of HBV DNA by HBV Quantitative PCR test kit in real-time PCR system. The results show that the extraction kit has very good performance in extracting HBV DNA from plasma sample and the extraction concentration can be 10 IU/mL.



Concentration (IU/mL)	Ct Value
1×10 ⁵ IU/mL	20.60
1×10 ⁴ IU/mL	23.49
1×10 ³ IU/mL	26.79
1×10 ² IU/mL	29.81
10 IU/mL	33.10
Negative Control	-

Case 2 To Extract RNA from HCV

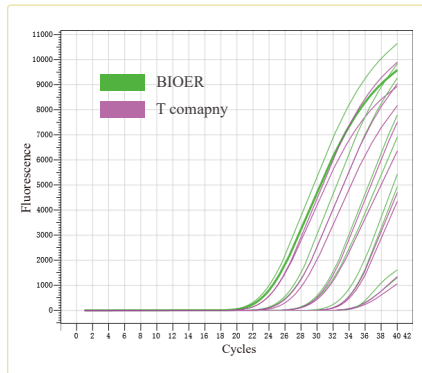
Gradient dilute the HCV positive serum sample, extract the HCV RNA of the original and diluted serum samples by using MagaBio plus Virus DNA/RNA Purification Kit II, followed with the quantitative detection of HCV RNA by HCV Quantitative RT-PCR test kit in real-time PCR system. The results show that the extraction kit has very good performance in extracting HCV RNA from serum sample and the extraction concentration can be 50 IU/mL.



Concentration (IU/mL)	Ct Value
5×10 ⁵ IU/mL	25.10
5×10 ⁴ IU/mL	28.52
5×10 ³ IU/mL	32.30
5×10 ² IU/mL	35.97
50 IU/mL	38.89
Negative Control	-

Case 3 To Extract DNA from African Swine Fever Virus

Gradient dilute the tissue homogenate that contains African Swine Fever Virus (ASFV), using the original and the diluted solution as samples, extract the virus DNA of each samples by using MagaBio plus Virus DNA/RNA Purification Kit II and leading brand extraction kit from T company separately, then detect the DNA concentration by Real-Time PCR. The results show that the extraction kit has very good performance in extracting ASFV DNA from tissue sample and is as good as the comparison extraction kit.



Samples	Ct Value			
	Bioer		T company	
Original solution	23.98	23.57	24.52	24.50
Dilute 10 times	26.97	26.64	27.56	27.26
Dilute 10 ² times	30.92	30.57	30.98	30.72
Dilute 10 ³ times	34.17	33.86	34.74	34.52
Dilute 10 ⁴ times	38.04	38.59	37.87	38.59
Negative Control	-	-	-	-

Ordering Information

Product Name	Catalog No.	Type	Sample	Kit Size
MagaBio plus Virus DNA/RNA Purification Kit II	BSC71T1S	Prepacked reagent strips	Serum, Plasma, Whole blood, Swabs, Saliva, Body fluid, Tissue, Feces, BALF, etc.	16x1T/Kit
	BSC71S1S	Prepacked reagent strips		32x1T/Kit
	BSC71M1S	Prepacked reagent strips		48x1T/Kit
	BSC71L1S	Prepacked reagent strips		96x1T/Kit
	BSC71T1E	Prepacked reagent plates		16 Tests/Kit
	BSC71S1E	Prepacked reagent plates		32 Tests/Kit
	BSC71M1E	Prepacked reagent plates		48 Tests/Kit
	BSC71L1E	Prepacked reagent plates		96 Tests/Kit
	BSC71T1C	Prepacked reagent plates		16 Tests/Kit
	BSC71S1C	Prepacked reagent plates		32 Tests/Kit
	BSC71S1B	Bottled reagent		50 Tests/Kit
	BSC71M1B	Bottled reagent		100 Tests/Kit
	BSC71M1E-T	Prepacked reagent plates		48 Tests/Kit
	BCS71L1E-T	Prepacked reagent plates		96 Tests/Kit

√ CE Marked



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