

Magbead Viral DNA/RNA Kit

Product: Magbead Viral DNA/RNA Kit

Size: 96 tests/Box

Applications

It is used for nucleic acids isolation, enrichment and purification.

Principle

Magbead Viral DNA/RNA Kit provides a simple, rapid and efficient method to extract DNA/RNA from swab, saliva, bronchoalveolar lavage fluid and other cell-free body fluids. The unique buffer system enables the nucleic acid in the lysate to be efficiently and specifically binded to the magbeads. The obtained nucleic acid has high purity, stable quality, and is free of protein, nuclease and other contaminants and inhibitors. It can be applied to various conventional operations, including PCR, fluorescence quantitative PCR and other experiments.

Kit Components

Component	96 tests/Box	
	Size	Quantity
96 DW Auto Plate	1 plate	6
8 Channel Comb	2 strips/pack	6

Storage Condition and Valid Period

Store at 4-30°C up to 12 months.

Sample Requirements

Applicable Samples: swab, saliva, bronchoalveolar lavage fluid and other cell-free body fluids.

Equipment and Reagents to Be Supplied by User

Cowin CWE2100 automated nucleic acid extractor, Bioer NPA-32P automated nucleic acid extractor.

Procedure

DNA/RNA can be extracted from 1-96 samples at one time after matching the product with CWE2100, NPA-32P.

1. Add 300 µl samples per well in Sample Plate (Allow samples to equilibrate to room temperature).

2. Put the Sample Plate and 8 Channel Comb into the instrument, and run the CWE2100(CW3131S-BR) or NPA-32P procedure.

NPA-32P procedure:

Step	Position	Name	Waiting time (min:ss)	Mixing time (min:ss)	Magnetic time (min:ss)	Strong adsorption	Mixing speed	Volume (ul)
1	1	Lysis	0:0	10:0	0:0		Fast	900
2	6	Move	0:0	0:15	0:30	√	Medium	200
3	1	Adsorption	0:0	10:0	0:35	√	Fast	900
4	2	Wash 1	0:0	2:0	0:30	√	Fast	700
5	3	Wash 2	0:0	1:0	0:30	√	Fast	700
6	4	Wash 3	0:0	1:0	0:30	√	Fast	700
7	5	Elution	2:0	5:0	0:35		Fast	80
8	6	Move	0:0	0:30	0:0		Low	200

Heating setup:

Lysis temperature: 75 ° C, lysis heating termination step: 2.

Elution temperature: 75 ° C, elution start heating step: 7.

3. After extraction, remove 96 DW plate, and samples in columns 5, 11. Transfer the samples from per well to the centrifuge tubes, and store them at -80 ° C for a long period.

Manufacturer

Jiangsu CoWin Biotech Co., Ltd

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