



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, serum, plasma, 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.

Manufacturer

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Kit Components

Component	96 tests/Box	
	Size	Quantity
Sample Plate	1 plate	1
Washing Plate 1	1 plate	1
Washing Plate 2	1 plate	1
Elution Plate	1 plate	1
Spin Tips Pack	1 plate	1

Storage Condition and Valid Period

Store at 4-30°C up to 12 months.

Sample Requirements

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

Equipment and Reagents to Be Supplied by User

Automatic nucleic acid extractor, Isopropanol, 100% ethanol.

Procedure

DNA/RNA can be extracted from 1-96 samples at one time after matching the product with 96 channel automatic nucleic acid extractor.

- 1 General purification procedure.
 - 1.1 Add 300 µl isopropanol per well in Sample Plate.
 - 1.2 Add 250 µl Isopropanol per well in Washing Plate 1.
 - 1.3 Add 375 µl 100% ethanol per well in Washing Plate 2.
 - 1.4 Add 200 µl samples per well in Sample Plate (Allow samples to equilibrate to room temperature).
 - 1.5 Put the Sample Plate, Washing Plate 1, Washing Plate 2, Elution Plate and Spin Tips Pack into the instrument, and run the program CW3132 general . After about 20 minutes, remove the Elution Plate, transfer the samples from per well to the centrifuge tubes, and store them at -80 °C for a long period.

2. Rapid purification procedure (swab sample only)
 - 2.1 Add 300 µl isopropanol per well in Sample Plate.
 - 2.2 Add 375 µl 100% ethanol per well in Washing Plate 2.
 - 2.3 Add 300 µl samples per well in Sample Plate (Allow samples to equilibrate to room temperature).
 - 2.4 Put the Sample Plate, Washing Plate 2, Elution Plate and Spin Tips Pack into the instrument, and run the program CW3132 rapid. After about 11 minutes, remove the Elution Plate, transfer the samples from per well to the centrifuge tubes, and store them at -80 °C for a long period.