Tel : 86-10-56953015
Email : info@cwbio.com

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Magbead Viral DNA/RNA Kit (Auto Plate)

Cat. No. : CW3201S (96 tests/box)
Storage Condition: The kit can be stored and transported at room temperature. It is valid for 18 months.

Components

Component	CW3201S 96 tests
96 DW Auto Plate	1 plate*6
8 Channel Comb	12 strips
Proteinase K（Optional）	1.25 mL/piece*3

Introduction

The kit provides a method for extracting viral nucleic acid from swab, tissue, feces, blood/ serum/ plasma and other acellular 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 acids are of high purity, stable quality, free from other impurities such as proteins and nucleases. So it can be used in a variety of routine operations, including PCR, fluorescence quantitative PCR and other experiments.

Applicable Equipment

CWE3200, AE2100, or other automatic nucleic acid extractor.

Protocol

1. Add 200 μL samples and 30 μL Proteinase K per well in columns 1 and 7 of 96 DW Auto Plate (Allow samples to equilibrate to room temperate). For long-term preservation, please place Proteinase K at -20°C.
2. Put the 96 DW Auto Plate and 8 Channel Combs into the instrument. Edit and run the program in accordance with the following table:

Step No.	Position	Name	Waiting time (min)	Mixing time (min:ss)	Magnetic time (sec)	Speed	Volume (μL)	Temperature (°C)
1	3	Magnetic	0	00:00	15	fast	500	0
2	1	Lysis	0	04:00	0	fast	700	80
3	1	Binding	0	04:00	10	fast	700	0
4	2	Washing 1	0	01:00	10	fast	500	0
5	3	Washing 2	0	01:00	10	fast	500	0
6	3	Drying	2	00:00	0		500	0
7	6	Elution	0	04:00	10	fast	70	80
8	2	Discard magbeads	0	00:00	0		500	0

Note: When extracting RNA viruses, you can set the lysis temperature to 65°C and the elution temperature to 56°C.

3. After the program ends, take out the 96 DW Auto Plate, transfer the eluent from columns 6 and 12 to a new centrifugal tube, and store it at -20°C for a long time.