

Magbead Viral DNA/RNA Kit (Auto Plate)

Cat. No. : CW3223S (32 tests/box)
CW3223S-AS (32 tests/box)

Storage Condition: The kit can be stored and transported at room temperature.
It is valid for 12 months.

Components

Component	CW3223S 32 tests	CW3223S-AS 32 tests
Nucleic acid extraction reagent strip	32 strips	32 strips
8 Channel Comb	10 strips	10 strips
Proteinase K (Optional)	1.25 mL/piece*1	1.25 mL/piece*1

Note: Proteinase K is not available by default, if you need it, please note when ordering.

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, CWE2100, or other automatic nucleic acid extractor.
6-strip tube base (Cat. No.: CW3224S)

Protocol

1. Centrifuge or gently shake the Nucleic acid extraction reagent strip so that the reagent in the tube reaches as far as possible to the bottom of the tube, then peel off the sealing film of the strip and insert the reagent strip into the 6-strip tube base as described above.
2. Add 300 μ L of sample to well position 1 of the Nucleic acid extraction reagent strip (400 μ L of recommended sample volume for swab samples), 30 μ L of Proteinase K (optional). For long-term preservation, place Proteinase K at -20°C . **Note: Magbeads are in well position 3 and samples need to be equilibrated to room temperature when adding samples.**
3. Place the 6-strip tube base on the 32-channel nucleic acid extractor base and insert the magnetic rod sleeve.
4. 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 (μ L)	Temperature ($^{\circ}\text{C}$)
1	3	Magnetic	0	00:20	15	fast	500	0
2	1	Lysis	0	03:00	45	fast	800	90
3	2	Washing 1	0	01:00	15	fast	500	0
4	3	Washing 2	0	01:00	15	fast	500	0
5	4	Washing 3	0	01:00	15	fast	500	0
6	6	Drying	1	00:00	0		60	0
7	6	Elution	0	02:00	45	fast	60	90
8	2	Discard magbeads	0	00:05	0		500	0

5. After the program is finished, take out the Nucleic acid extraction reagent strip, transfer the eluent from well position 6 to a new centrifugal tube, and store it at -20°C for a long time.