

Magbead Viral DNA/RNA Kit

Instructions for Use

Packaging Specifications

96 tests/box

Intended Use

It is used for nucleic acids isolation, enrichment and purification. The processed products can be used for clinical diagnosis in vitro.

Test 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, whole blood, tissue homogenate. 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.

Components of the Kit

Name	96 tests/box	Main contents
96 DW Auto Plate	1 plate *6	Guanidine Hydrochloride, NaCl, SDS, Tris-HCl, Isopropanol, Absolute ethanol, Magbeads
8 Channel Comb	12 strips	None

Materials and Equipment Required but Not Provided

Automatic nucleic acid extractor
Proteinase K (where applicable, required)

Storage Condition and Shelf Life

Manufacturing and expiration dates are printed on the label.
The kit can be stored at 4-37°C up to 18 months.
We suggest products transportation at 4-37°C for no more than 30 days.

Applicable Equipment

AE2100, CWE2100, CWE3200, NPA-32P, EXM 3000, ANDiS 350

Specimen Collection, Handling, and Storage

Acceptable specimen as below

- Swab, serum, plasma, bronchoalveolar lavage fluid and other cell-free body fluids (proteinase K not required)
- Whole blood, tissue homogenate (proteinase K required, but not provided)

Procedure

AE2100/CWE2100/CWE3200:
DNA/RNA can be extracted from 1-32 samples at one time after matching the product with 32 channel automatic nucleic acid extractor.

Basic information



Jiangsu CoWin Biotech Co., Ltd.
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

Version and Effective date of the Instruction

Version: A/3
Effective Date: 2023-07-11

Warnings and Precautions

1. For in vitro diagnostic use (IVD) only.
2. This product is intended for professional use only.
3. Check the package before use it. If damaged, it is strictly prohibited to use.
4. DO NOT drink, touch or remove the reagent from the vial.
5. Avoid reuse.
6. If any serious incident that has occurred in relation to the product shall be reported to the manufacturer and the competent authority.
7. This kit is intended to be used with verification equipment, such as applicable equipment mentioned in the instructions for use. If you want to use with other equipment, you need to verify equipment first.

Glossary of Symbols

Symbol	Meaning	Symbol	Meaning
	In vitro diagnostic medical device		Temperature limit
	Manufacturer		Use-by date
	Date of Manufacture		Do not re-use
	Batch code		Consult instructions for use
	Authorized representative in the European Community / European Union		CE Symbol
	Caution		Unique device identifier
	Catalogue number		Do not use if package is damaged and consult instructions for use

1. Add 200 µL samples per well in columns 1 and 7 of 96 DW Auto Plate (Allow samples to equilibrate to room temperature).
2. For whole blood or tissue homogenate sample, also need to add 20 µL, 20 mg/mL of Proteinase K solution to per well in columns 1 and 7 of 96 DW Auto Plate.
3. Put the 96 DW Auto Plate and 8 Channel Combs into the instrument, and run the program in accordance with table 1. Then, remove the 96 DW Auto Plate, transfer the samples from column 6 and 12 to the centrifuge tubes, and store them at -80°C for a long period.

Table 1

No.	Position	Name	Wait time (min)	Mix time (min)	Magnetic time(sec)	Mix speed	Volume (µL)	Temperature (°C)
1	3	Collect	0	0	5		500	0
2	1	Mix	0	10	10	fast	700	0
3	2	Mix	0	2	5	fast	500	0
4	3	Mix	0	2	5	fast	500	0
5	3	Dry	2	0	0		500	0
6	6	Elute	0	5	10	fast	60	56
7	2	Release					500	0

NPA-32P

DNA/RNA can be extracted from 1-32 samples at one time after matching the product with 32 channel automatic nucleic acid extractor.

1. Add 200 µL samples per well in columns 1 and 7 of 96 DW Auto Plate (Allow samples to equilibrate to room temperature).
2. For whole blood or tissue homogenate sample, also need to add 20 µL, 20 mg/mL of Proteinase K solution to per well in columns 1 and 7 of 96 DW Auto Plate.
3. Put the 96 DW Auto Plate and 8 Channel Combs into the instrument, and run the program in accordance with table 2. Then, remove the 96 DW Auto Plate, transfer the samples from column 5 and 11 to the centrifuge tubes, and store them at -80°C for a long period.

Table 2

No.	Position	Name	Wait time (min)	Mix time (min)	Magnetic time(sec)	Mix speed	Volume (μL)	Temperature (°C)
1	6	Collect	0	0	5		200	0
2	1	Mix	0	10	10	fast	700	0
3	2	Mix	0	2	5	fast	500	0
4	3	Mix	0	2	5	fast	500	0
5	3	Dry	2	0	0		500	0
6	5	Elute	0	5	10	fast	70	56
7	6	Release					200	0

EXM 3000

DNA/RNA can be extracted from 1-32 samples at one time after matching the product with 32 channel automatic nucleic acid extractor.

1. Add 200 μL samples per well in columns 1 and 7 of 96 DW Auto Plate (Allow samples to equilibrate to room temperature).
2. For whole blood or tissue homogenate sample, also need to add 20 μL, 20 mg/mL of Proteinase K solution to per well in columns 1 and 7 of 96 DW Auto Plate.
3. Put the 96 DW Auto Plate and 8 Channel Combs into the instrument, and run the program in accordance with table 3. Then, remove the 96 DW Auto Plate, transfer the samples from column 6 and 12 to the centrifuge tubes, and store them at -80°C for a long period.

Table 3

No.	Position	Name	Wait time (min)	Mix time (min)	Magnetic time(sec)	Mix speed	Volume (μL)	Temperature (°C)
1	2	Collect	0	0	5		500	0
2	1	Mix	0	10	10	fast	700	0
3	2	Mix	0	2	5	fast	500	0
4	3	Mix	0	2	5	fast	500	0
5	3	Dry	2	0	0		500	0
6	6	Elute	0	5	10	fast	60	56
7	2	Release					500	0

ANDiS 350

DNA/RNA can be extracted from 1-32 samples at one time after matching the product with 32 channel automatic nucleic acid extractor.

1. Add 200 μL samples per well in columns 1 and 7 of 96 DW Auto Plate (Allow samples to equilibrate to room temperature).
2. For whole blood or tissue homogenate sample, also need to add 20 μL, 20 mg/mL of Proteinase K solution to per well in columns 1 and 7 of 96 DW Auto Plate.
3. Put the 96 DW Auto Plate and 8 Channel Combs into the instrument, and run the program in accordance with table 4. Then, remove the 96 DW Auto Plate, transfer the samples from column 6 and 12 to the centrifuge tubes, and store them at -80°C for a long period.

Table 4

No.	Position	Name	Wait time (min)	Mix time (min)	Magnetic time(sec)	Mix speed	Volume (μL)	Temperature (°C)
1	3	Collect	0	0	5		500	0
2	1	Mix	0	10	10	fast	700	0
3	2	Mix	0	2	5	fast	500	0
4	3	Mix	0	2	5	fast	500	0
5	3	Dry	2	0	0		500	0
6	6	Elute	0	5	10	fast	100	56
7	2	Release					500	0

Note: If you need operation program, please feel free to contact After-sales service via email: info@cwbiotech.com



GHS07

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.