

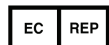
Magbead Viral DNA/RNA Kit

Instructions for Use

Basic Information



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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
Sample Plate	1 plate*1	Guanidine Hydrochloride, NaCl, SDS, Tris-HCl, Isopropanol
Washing Plate 1	1 plate*1	Guanidine Hydrochloride, NaCl, Tris-HCl, Absolute ethanol
Washing Plate 2	1 plate*1	NaCl, Tris-HCl, Absolute ethanol, Magbeads
Elution Plate	1 plate*1	RNase-Free Water
Spin Tips Pack	1 plate*1	
Proteinase K	1.25mL/piece*3 (Optional)	Proteinase K

Note: Proteinase K is not provided by default, if necessary, please note when ordering.

Equipment Required but Not Provided

Automatic nucleic acid extractor















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.

Glossary of Symbols

Symbol	Meaning	Symbol	Meaning
	<i>In vitro</i> 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

Applicable Equipment

AE2130-96, KingFisher Flex, Auto-Pure 96, Purifier HT, Maelstrom 9600, NPA-96, NPA-96T, EXM 6000, CWE960

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)

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 200 μ L samples per well in Sample Plate (Allow samples to equilibrate to room temperature).
 - 1.2 For whole blood or tissue homogenate sample, also need to add 30 μ L, 20 mg/mL of Proteinase K solution to per well in Sample Plate.
 - 1.3 Put the Sample Plate, Washing Plate 1, Washing Plate 2, Elution Plate and Spin Tips Pack into the instrument, and run the program in accordance with table 1 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.

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

Table 1

	Temperature 1	Temperature 2	Temperature 3	4	5	Temperature 6	7	8
Volume (μ L)	700	500	500			100		
Constant temperature	0	0	0	0	0	56		
Action	Forward	Forward	Forward			Forward		
Name	LB	WB1	WB2			EB		TIP

Step no.	Position	Temperature	Vibration time (Min)	speed (rpm)	Magnetic time (Sec)	Dry time (min)	Pause
1	3	0	0	0	60	0	off
2	1	0	10	3000	90	0	off
3	2	0	2	3000	60	0	off
4	3	0	2	3000	60	2	off
5	6	56	5	3000	60	0	off
6	2	0	0.1	3000	0	0	off

2. Rapid purification procedure (swab sample only)

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

2.2 Put the Sample Plate, Washing Plate 2, Elution Plate and Spin Tips Pack into the instrument, and run the program in accordance with table 1 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.

3. Automatic extraction of KingFisher Flex, Auto-Pure 96, CWE960, Purifier HT (Only specifications CWX104S can be used for these 4 extractors)

3.1 Confirm that "CW3132S-K" program has been imported into Kingfisher flex, or "CW3132S-K" program has been imported into auto pure 96.

Note: ensure that the magnetic rod of the instrument is the model matching 96 holes deep hole plate.

3.2 Add 200 µL samples per well in Sample Plate (Allow samples to equilibrate to room temperature).

3.3 For whole blood or tissue homogenate sample, also need to add 30 µL, 20 mg/mL of Proteinase K solution to per well in Sample Plate.

3.4 Put the Spin Tips Pack into the Washing Plate 2, and put the Sample Plate, Washing Plate 1, Elution Plate, Washing Plate 2 and Spin Tips Pack into the instrument, and run the program in accordance with table 1 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.

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



GHS07

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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.