



Viral DNA/RNA Purification Kit (Beads)

(BW-MR6536-A00)

BEIWO Viral DNA/RNA Purification Kit is designed for the extraction and purification of viral DNA (e.g. African swine fever virus (ASFV), hepatitis B virus (HBV), Herpes simplex virus (HSV), Human papilloma virus (HPV), etc.) or viral RNA (e.g. SARS-Cov-2, influenza virus, HIV, etc.) from serum, plasma, virus culture, swab sample, tissue homogenization solution, cerebrospinal fluid, bronchoalveolar lavage fluid and so on. It is compatible with various high-throughput automated platforms, such as Allsheng Auto-Pure 96, Hamilton, Beckman Biomek, Tecan, Thermo KingFisher and so on.

KIT CONTENTS

Catalog#	BW-MR6536-A00-S	BW-MR6536-A00-00	BW-MR6536-A00-01	BW-MR6536-A00-02
Preps	10	50	250	1000
Lysis Buffer A	7 mL	35 mL	170 mL	2 × 350 mL
Wash Buffer 1	7 mL	35 mL	170 mL	2 × 350 mL
Wash Buffer 2	9 mL	45 mL	220 mL	2 × 450 mL
MgPure Beads	240 µL	1.2 mL	6.0 mL	24 mL
DEPC-Treated ddH ₂ O	2 mL	5 mL	25 mL	100 mL

STORAGE

The kit should be stored dry and at room temperature (15~25℃). They can be stored for at least 12 months without showing any significant reduction in performance, capacity, or quality of separation.

BEFORE STARTING

- Operate in an environment with the appropriate biosafety laboratory level (e.g BSL-2 or higher level) and wear appropriate personal protective equipment (e.g. gowns, gloves, goggles) when working with clinical specimens.
- Lysis Buffer A contains chaotropic salts, which may form reactive compounds when combines with bleach. Do not add bleach or acidic solutions directly to the preparation waste.
- Buffer may form precipitates upon storage, dissolve precipitates at 37°C before use.
- Ultraviolet disinfection of the Purification Instrument prior to use is recommended.
- Materials not supplied: 1.5 mL RNase-free centrifuge tube.

Materials not supplied

- 1.5 mL RNase-free centrifuge tube
- 75% ethanol



PROCEDURE

1. Add **600 uL Lysis Buffer A**, **20 uL MgPure Beads** and **200~300 uL samples** (serum, plasma, swab sample, etc.) into a new 1.5 mL Nuclease-free centrifuge tube (not supplied), mix by vortex, incubate at 60 °C for 5~10 min, vortex 2~3 times when incubating.
2. Place the tube on the magnetic rack to magnetize the **MgPure Beads** until the beads are completely adsorbed. Remove the supernatant from the beads.
3. Take the sample tube off the magnetic rack and resuspend the beads with **600 µL Wash Buffer 1**. Incubate for 1 min at room temperature. Place the sample tube on the magnetic rack to magnetize the **MgPure Beads** until the beads are completely adsorbed. Remove the supernatant from the beads.
4. Take the sample tube off the magnetic rack and resuspend the beads with **800 µL Wash Buffer 2**. Incubate for 1 min at room temperature. Place the sample tube on the magnetic rack to magnetize the **MgPure Beads** until the beads are completely adsorbed. Remove the supernatant from the beads.
5. Take the sample tube off the magnetic rack and resuspend the beads with **800 µL 75% ethanol** (not supplied). Incubate for 1 min at room temperature. Place the sample tube on the magnetic rack to magnetize the **MgPure Beads** until the beads are completely adsorbed. Remove the supernatant from the beads.
6. Air-dry the Beads for 5-10 minutes.
7. Take the sample tube off the magnetic rack, add **80 µL DEPC-Treated ddH₂O**, resuspend the beads, incubate the tube at 70~80 °C.
8. Place the sample tube on the magnetic rack to magnetize the beads, transfer the clear solution to a new 1.5mL RNase-free centrifuge tube when the beads are completely adsorbed.
9. The nucleic acid samples are ready for subsequent testing or storage at -80°C.



LIMITED USE AND WARRANTY

This product is warranted to perform as described in its labeling and in BEIWO's literature when used in accordance with instructions. No other warranties of any kind, express or implied, including, without limitation, implied warranties of merchantability or fitness for a particular purpose, are provided by BEIWO. BEIWO's sole obligation and purchaser's exclusive remedy for breach of this warranty shall be, at the option of BEIWO, to replace the products, BEIWO shall have no liability for any direct, indirect, consequential, or incidental damage arising out of the use, the results of use, or the inability to use it product. For technical support or learn more product information, please contact us at 400-115-2855 or visit our website at www.beiwobiomedical.com