PRODUCT INFORMATION

96-Well Plate Viral DNA Mini-Preps Kit

Product information for VT92032:

Kit Contents

Components	VT92032, 2 Preps
Lysis-Buffer-V	120 ml
Universal Wash Buffer	60 ml
Universal Elution Buffer	20 ml
EZ-10 96 Well Plate	2
Deep Well Collection Plate	4
96 Storage Plate	2
Sealing film	8
Protocol	1

Note 1: Lysis-Buffer-V Reagent contains chaotropic salt. Avoid contact with skin and eyes.
Note 2: Wash Solution is supplied as concentrates. Add **36 ml** ethanol (96-100%) to **12 ml** Wash Solution before use to obtain a working solution.

Storage and Stability
Store Lysis-Buffer-V at 4°C. Store other components at room temperature (15-25°C). The kit is stable for 1 year under these conditions.

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Introduction
The kit provides a fast, simple and highly reproducible method for isolation of viral DNA from broad range cell-free clinical samples including serum, urine and plasma for clinical research and life science applications. Viral DNA in lysates is selectively absorbed in spin column and other impurities don't bind in the column. The procedure is simple and fast, no phenol extraction is required. Purified viral DNA can be used for PCR, Real Time PCR and other clinical research applications.

Features
- ü Fast and easy processing using a rapid spin-column format. The entire procedure takes approx 20 minutes only.
- ü Sensitive. 30-50 virus particles in 1 ml of sample can be detected by PCR.
- ü No phenol/chloroform and no ethanol precipitation are required.
- ü Compatible with PCR, Real Time PCR and other clinical applications.
- ü Suitable for broad range cell-free clinical samples including serum, urine and plasma.
- ü Non toxic. The kit does not contain toxic reagents.

Materials Supplied by User:
Pipets and pipet tips
Vortexer
Ethanol (96-100%)
Water bath for heating at 65°C

Procedures

1. Sample preparation

   A. For liquid viral sample: Enrichment of virus. Transfer appropriate liquid sample to a new 1.5 ml microtube. Centrifuge at 24,000 *g* for 60 min at 4°C. Then keep approx 0.2 ml solution in the tube but discard the others. Proceed to step 2.

   B. For swab sample: Place the swab into a clean 1.5 ml

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microtube, and snap off the handle. Add 1ml physiological saline, vortex for 30 s. Then transfer 0.2 ml solution to Deep Well Collection Plate. Proceed to step 2.

2. Add 0.6 ml of Lysis-Buffer-V Reagent into the tube (step 1), vortex vigorously for 30 sec. Incubate at room temperature or 65°C for 10 min.

Note: Lysis-Buffer-V Buffer may form precipitation at 4°C, please dissolve it at 65°C and mix well before use.

3. Transfer the mixture into EZ-10 96 Well Plate. Keep at room temperature for 2 min.

4. Spin at 5,000 *g* for 5 min, discard the flow-through.

5. Add 0.5 ml of Wash Solution to the column, spin at 5,000 *g* for 1 min, and discard the flow-through.

6. Repeat Step 5 once.

7. Centrifuge at 5,000 *g* for 1 min, discard the flow-through residue.

8. Place EZ-10 96-Well Plate on top of a 96 Storage Plate. Add 30-100 µl of TE Buffer onto the centre of the column, keep at room temperature for 2 min.

Note: Pre-warm TE Buffer at 60-80°C may improve the recovery of DNA.

9. Spin at 5,000 *g* for 2 min. Purified viral DNA is ready for use or keep at -20°C for long term storage.

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PRODUCTS ARE INTENDED FOR BASIC SCIENTIFIC RESEARCH ONLY!
NOT INTENDED FOR HUMAN OR ANIMAL USE!

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