
HELINI MagPure Viral RNA Purification Kit



Sample: VTM
Cat. No: 2501/2 – 96/768 Prep

Reagents and protocols are compatible with:
HELINI MagPure-96 and thermo 96 flex model.

Introduction

The HELINI MagPure Viral RNA purification Kit is designed for rapid automated purification of Viral RNA from various samples, such as plasma, serum, saliva, urine, nasal swabs, buccal swabs and urogenital swabs using automated nucleic acid extraction system. The RNA purified using the HELINI MagPure Viral RNA purification kit contains high quality and free of proteins, nucleases, and other contaminants or inhibitors. They are, therefore, suitable for direct use in many different downstream applications, such as qPCR (quantitative PCR), RT-qPCR (reverse transcription qPCR), and several other enzymatic reactions.

Intended Use

The reagents and specific plastic consumables are designed for use with the open automatic DNA/RNA purification system to purify Viral RNA from various clinical samples.

Principle and Procedure

The HELINI MagPure Viral RNA purification Kit uses magnetic-particle technology for Viral RNA purification. The HELINI Biomolecules MagPure technology combines the speed and efficiency of nucleic acids purification with easy handling of magnetic particles. The purification process requires no phenol/chloroform extraction and needs very little hands-on time. The HELINI MagPure Magnetic Beads are highly reactive, super paramagnetic beads. The first step of the protocol lyses the sample, after which the nucleic acids can bind to the surface of the Magnetic Beads. The following three effective wash steps dispose of proteins, cell debris, and any residual contaminants, while the nucleic acids bound to the MagPure Magnetic Beads are transferred through the wash steps. High-quality nucleic acids are eluted into the nuclease-free water, and are ready for subsequent downstream processes.

Kit components

Components per plate	Per reaction	96tests	Storage
Magnetic beads	15µl	1.5ml	4°C
Lysis buffer	220µl	23ml	RT
Wash buffer-3	600µl x 2	120ml	RT
Elution buffer	100µl	10ml	RT
96 Deep well plates	-	4	RT
96 tips well comb	-	1	RT
Instruction manual			

Safety Information

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. Discard sample and assay waste according to your local safety regulations.

Technical Assistance

For technical assistance and more information, please contact;
0091-9382810333
0091-44-24490433
helinibiomolecules@gmail.com
info@helini.in

Material required:

1. 8 channel variable micro pipette – range - 30 to 300µl
2. 8 channel variable micro pipette – range - 5 to 50µl
3. 8 channel variable micro pipette – range - 100 to 1000µl
[optional]
4. Tips for micro pipettes – all above range.
5. Aluminium foil or plate sealing film
6. Scissor
7. 1.5/2.0 micro centrifuge tubes

Procedure

Prepare four plates

Plates	Buffer	Placing position	Volume
Plate-1	Lysis buffer	1	220µl/well
Plate-2	Wash buffer-3	3	600µl/well
Plate-3	Wash buffer-3	4	600µl/well
Plate-4	Elution buffer	6	100µl/well

1. Insert 96 tips well comb in the bottom of the magnetic rod unit.
2. Place the plates accordingly at their position. [1,3,4 & 6]
3. Select HB.4S program by pressing enter button in the home screen. **Press save/download and start. Make sure that the 96tips enter into plate and start mixing. Any hitting noise or knocking noise, please pause and stop the program and check the plate and comb placement.**
4. Successful completion of the program/purification, Open the door, carefully remove the 96 tips comb and then remove the plates.

5. Use elute immediately or seal with sealing film and store at 4C for short time or -20C for longer time.

Recommended volume:

Use 10µl of elute for Real-time PCR assay

Program Name: HB.4S							
Step	Station	Waiting time	Mixing time	Mixing speed	Magnet Time	Magnet Speed	Volume
1	1	0	5min	1	10sec	2	500
2	3	0	2min	1	10sec	2	600
3	4	0	1min	1	10sec	2	600
4	6	0	3min	1	10sec	2	100
5	3	0	1	1	0	2	600
Click SAVE & DOWNLOAD							

Manufactured and Marketed by
HELINI Biomolecules,
 Ohmlina, 26, 2nd Avenue,
 Khuthubi Complex,
 Vettuvankeni,
 Chennai 600 115
www.helini.in
helinibiomolecules@gmail.com
 +91-44-24490433
 +91-9382810333

