

The **mdi** Viral RNA Extraction Miniprep Kit is a fast, economical and easy isolation method of high purity viral RNA from Plasma, CSF, Urine, Other cell-free body fluids and Cell culture supernatants. It has a silica membrane column which along with the buffer system provided in the kit allows efficient lysis followed by selective binding of RNA to the spin column and elution of purified viral RNA using centrifugation.

Purified RNA is eluted in low-salt buffer or water for variety of downstream applications. This technology does away with the cumbersome methodologies of phenol extraction (associated with slurries formation) as well as ethanol precipitation (associated with anion exchange based purification system) for desalting.

mdi Viral RNA Extraction Miniprep Kit has been successfully evaluated by independent laboratory and has been found suitable for COVID-19 with 100% concordant results.

Application

Purified Viral RNA is suitable for:

- RT-PCR, qRT-PCR, q-PCR
- Viral genotyping
- Viral Detection
- Viral load monitoring
- Viral epidemiology

Specifications

Volume of Sample	140µl
Binding capacity of membrane	10µg
Capacity of column reservoir	700µl
Elution volume	40µl-80µl
Time Taken	<20 minutes

Storage Conditions

One Year	15-25°C
Long Term Storage	2-8°C

Ordering Information

Type		XX	XX	XX	X	Pack Size	
Code						Code	
Viral RNA Extraction Miniprep Kit	VMRK					100	0100
						250	0250

Example

VMRK	XX	XX	XX	X	0250
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For research use only. Not for use in diagnostic procedures.



NOTE: The kit is supplied with Carrier RNA in dry powder format which allows transportation without the need for cold chain.

Protocol

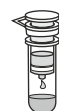
Sample



Lyse



Bind



Wash 3X



Ultra Pure RNA



Elute



Dry