

Viogene[®] Viral RNA Extraction Miniprep System

Viogene[®] Viral RNA Extraction Miniprep System is a simple and fast method to purify viral RNA from all kinds of samples containing RNA virus such as serum, plasma, body fluids, and supernatant of cell culture. This system is ideal for isolation of RNA suitable for RT-PCR screening from clinical samples containing viruses.



Principle

This system utilizes guanidine-thiocyanate and β -mercaptoethanol via their capabilities to inactivate RNase and denature proteins in the samples. The additional reagent of RNA Carrier is provided to facilitate ultimate recovery of viral RNA, which are commonly present in very low amount in clinical samples.

Features and benefits

- No toxic reagents are used (without phenol/chloroform)
- Equipment required: Microcentrifuge E111
- Purification module: Spin column

RNA yields from Viral Nucleic Acids Extraction System

Sample Size	Elution Volume	Binding Capacity	Yield
150 μ l of serum, plasma, body fluids and cell culture supernatant	30~50 μ l	Up to 10 μ g	up to 95%



Viogene[®] RNA Extraction System

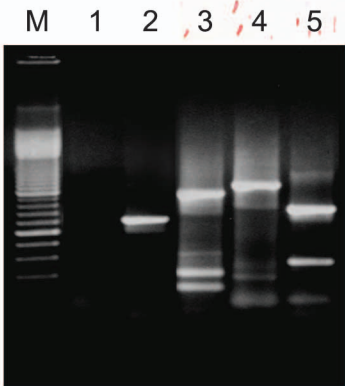


Downstream Application

- Reverse transcription
- Northern blotting
- PCR
- RNase protection assay

Fig 4-5 Amplification of viral RNA RT-PCR product of viral RNA isolated from different infected cells with Viogene® Viral RNA Extraction System.

M, DNA ladder; lane 1, negative control; lane 2-5, the RT-PCR product from different samples.



Ordering Information			
Product	Package	Contents	Cat. No
Viogene® Viral RNA Extraction Miniprep System	50 preps	50 Total RNA Columns(RNase-free), 50 Collection Tubes(RNase-free), 50 1.5-ml Elution tubes(RNase-free), RNase-free ddH ₂ O, RNA carrier, Buffers	GVR 1001
	250 preps	250 Total RNA Columns(RNase-free), 250 Collection Tubes(RNase-free), 250 1.5-ml Elution tubes(RNase-free), RNase-free ddH ₂ O, RNA carrier, Buffers	GVR 1002