

magnetiQ

IVD CE

Viral RNA Extraction kit

The magnetiQ Viral RNA Extraction Kit is for research purposes and diagnostics (IVDD) of COVID-19 in clinical laboratories for the extraction of RNA from patient samples for later quantification via Reverse Transcriptase qPCR (RT-qPCR).

The Galenvs magnetiQ Viral RNA Extraction Kit allows for one-step magnetic bead-based extraction and purification of Viral RNA under 15 minutes from:

- Swab solutions (viral transport medium- VTM, and inactivation transport medium - ITM)
- Saliva samples
- Bronchoalveolar Lavage (BAL)

The magnetiQ Viral RNA Extraction capture efficiency is >99% of viral RNA. The purified sample can be concentrated in volumes as low as 25 μ L

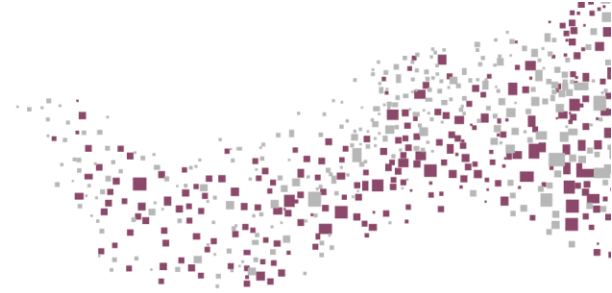
This kit can be stored at room temperature for over 12 months post-manufacture date, with the exception of the RNA carrier component that must be stored at 4°C- 8°C for short-term storage (up to 3 months) and -20°C for long-term storage (up to 1 year).

Applications

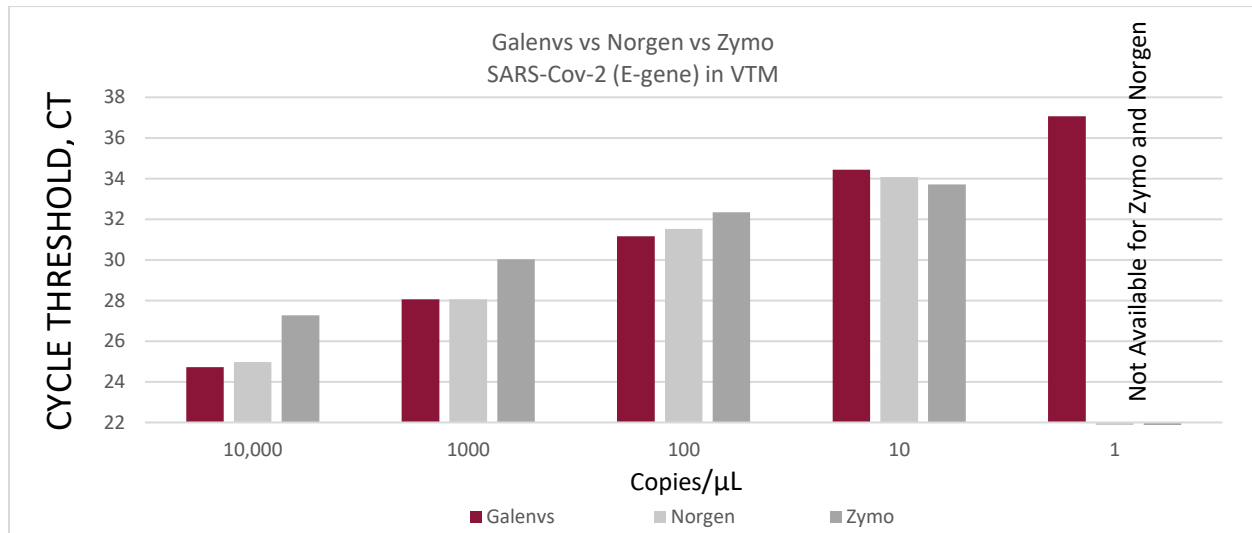
- Diagnostics of COVID-19 in clinical laboratories for the isolation and recovery of SARS-CoV-2 RNA from patient sample
- Quantification via qPCR or Reverse Transcriptase qPCR (RT-qPCR).
- Next Generation Sequencing (NGS)
- Genomic DNA library preparation
- Copy number variation (CNV) studies

Features

- Safe and reproducible purification of Viral DNA/RNA
- Amenable to high-throughput methods, including automation
- Faster and simpler magnetic collection and resuspension steps
- Reduces concern for clogging.
- Eliminates centrifugation steps associated with spin-column based viral extraction kits



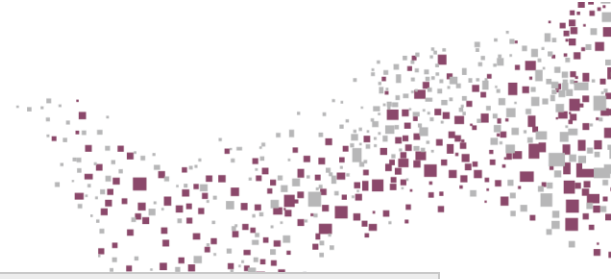
Performance



The Galenvs magnetiQ Viral RNA/DNA extraction kit showed high extraction efficiencies for a wide range of SARS-CoV-2 copy numbers from 1-10⁴ copies/μL. In addition, the magnetiQ extraction kit performs well at low copy numbers when compared to Zymo and Norgen kits. This is of significant importance for the detection of viral loads commonly associated with early onset COVID-19 infections, which are reported to be between 1-10 copies/μL, as outlined by Health Canada, FDA, CDC and WHO.

Specifications

Sample Type	Swab, Saliva, and Various transport media such as Universal Viral Transport medium (VTM), Inactive Transport Medium (ITM), and Eswab preservative fluid, BAL
Quantity	100 or 250 assays / Ready-to-use Prefilled plates (16-96 preps)
Elution Volume	50-100μl Manual / 90μl Prefilled plates
DNA/RNA recovered	99%
Processing mode	Automated – Manual
Biding Technology	Magnetic beads
Biding capacity	Scalable
Components	(i) Viral Lysis/Binding Buffer (ii) Wash Buffer #1 (iii) Wash Buffer #2



	(iv) Elution Buffer
Storage	Room Temperature

Product Codes

100 preps	VR1010
250 Preps	VR0250
Prefilled plates 16-well	VR0032
Prefilled plates 96-well	VR0096

