

# Mag-Bind® Viral RNA Xpress Kit

High throughput isolation of viral RNA from nasopharyngeal swab specimens



## Isolation from swabs

Reliable isolation of viral RNA from NP swabs that are dry and in VTM



## No Pro K Required

Process faster with no Proteinase K digestion step



## Improved RT-qPCR Performance

Efficient recovery of viral nucleic acids with minimal inhibitor carryover for demanding applications such as RT-qPCR



## Bead-Based

High throughput, scalable purification

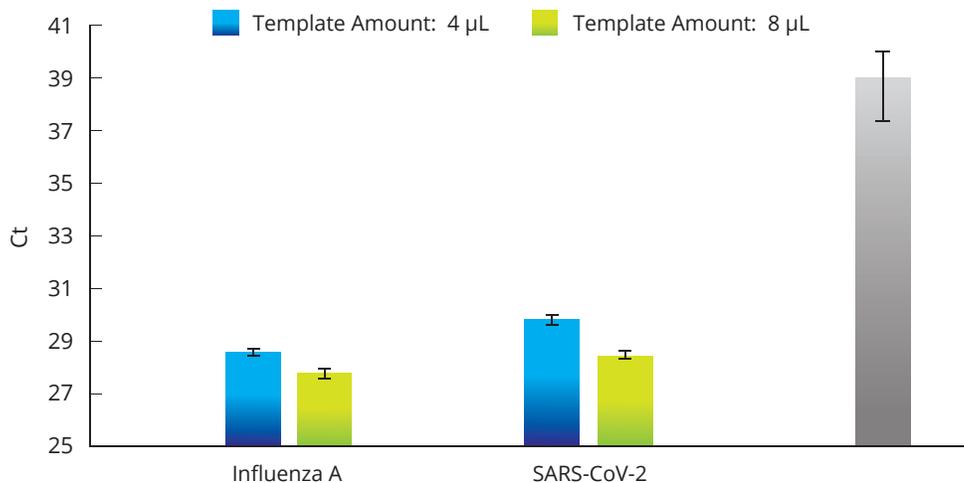


## Automatable

Adaptable to most liquid handling platforms

**Mag-Bind® Viral RNA Express Kit** follows a magnetic bead-based approach for the rapid and reliable isolation of viral RNA from nasopharyngeal (NP) swab specimens that are dry or in viral transport media (VTM). The extraction methodology is easily adaptable to various automated systems and can also be scaled up or down depending on the amount of starting sample amount used. The kit utilizes the proven Mag-Bind® technology that enables purification of high-quality nucleic acids that are free of proteins, nucleases, and other impurities. The purified nucleic acids are ready for direct use in downstream applications such as qPCR, RT-qPCR and more.

### Detection of Influenza A and SARS-CoV-2 viruses following RT-qPCR



**Table 1.** Influenza A and synthetic SARS-CoV-2 RNA controls were spiked into a 200 µL sample containing half million HEK293 cells. Viral nucleic acids were extracted following Mag-Bind Viral RNA Xpress Kit's recommended protocol. 4 and 8 µL of template was used in a 20 µL SYBR Green-labeled RT-qPCR reaction. The average Ct values obtained are shown above. The Ct difference between the two template amounts used is ~1 indicating no qPCR inhibition.

Automation protocols available for:

- Microlab® STAR
- Microlab® MagEx STARlet
- Microlab® NIMBUS
- KingFisher™, BioSprint®, and MagMax® 96
- Tecan DreamPrep™ NAP

Product Description	Preps	Cat No.
Mag-Bind® Viral RNA Xpress Kit	24x96	M6219-2304



innovations in nucleic acid isolation

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