GALENVS

magnetic

Viral RNA Extraction Kit

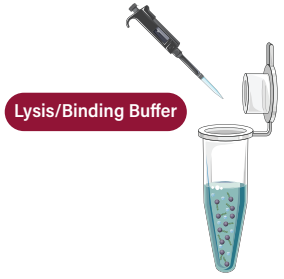
Quick Start Guide

! Before first use add ethanol to Wash Buffer #2 as per label instructions. Before extraction mix bottles well by inverting upside down several times.

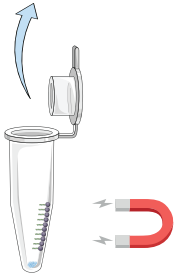
1 **In 1.5ml microfuge tube, add 100µl of sample** (swab, saliva, cell-free body fluids, viral transportation media (VTM), inactive transport media (ITM), culture supernatants, or bronchoalveolar lavage fluid).

2 **Add 400µl of Lysis/Binding Buffer** and mix well by pipetting up-down 10–15x.

Incubate 5 mins to allow for lysis and RNA binding.

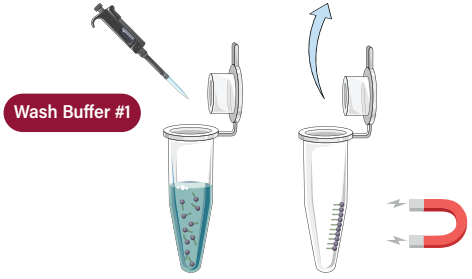


3 **Place tube on magnetic rack for 1–2 mins** to capture RNA-bead complex, then discard supernatant.

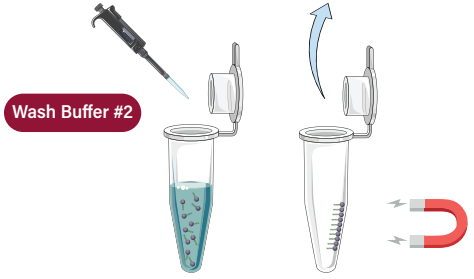


4 Remove tube from magnetic rack and **resuspend RNA-bead complex in 600µl of Wash Buffer #1.**

Return to magnetic rack for 1–2 mins, then discard supernatant.



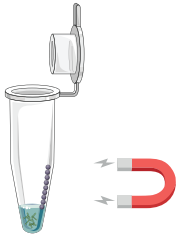
5 **Repeat wash with 600µl of Wash Buffer #2,** return to magnetic rack for 1–2 mins, then discard supernatant and leave to dry for 1 min.



6 Remove tube from magnetic rack and **resuspend RNA-bead complex in 50µl of Elution Buffer.**

Mix well by pipetting up-down 15–20x to elute RNA from beads and let stand for 1–2 mins.

7 **Place tube on magnetic rack for 1–2 mins** to separate beads.



8 Transfer clean RNA solution (supernatant) to clean tube.