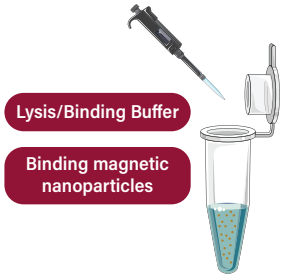
GALENVS

magnetic

Total RNA Extraction Kit

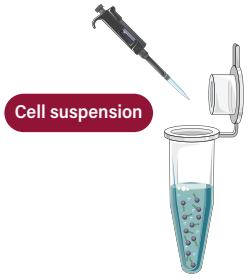
Quick Start Guide

1 In 1.5ml microfuge tube, add **380µl of Lysis/Binding Buffer** and then add **20µl of binding magnetic nanoparticles.**

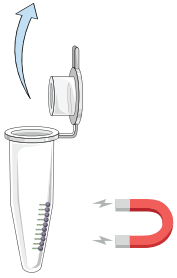


2 **Add 100µl of cell suspension in PBS** containing a maximum 10^7 cells to the microfuge tube.

Mix cells and buffer well by pipetting up-down 10x, then **incubate 2 mins** to allow for lysis and RNA binding.

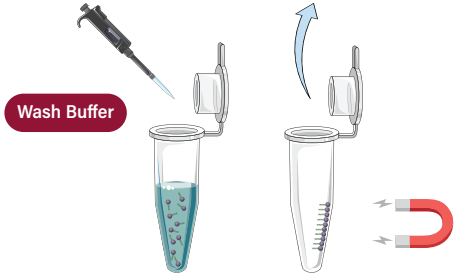


3 **Place tube on magnetic rack for 2 mins** to capture the RNA-bead complex, then discard supernatant.



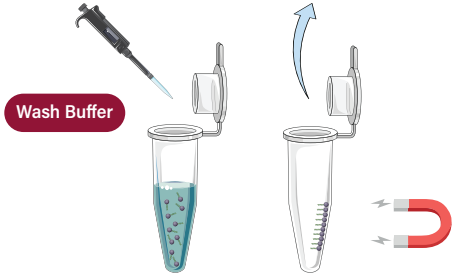
4 Remove tube from magnetic rack and **resuspend RNA-bead complex in 600µl of Wash Buffer**. Mix well by pipetting up-down 10–15x.

Return to magnetic rack for 1 min, then discard supernatant.



5 **Repeat wash with 600µl of Wash Buffer.**

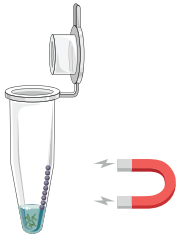
Return to magnetic rack for 1–2 mins, discard supernatant and leave to dry for 2 min.



6 Remove tube from magnetic rack and **resuspend RNA-bead complex in 50µl of Elution Buffer**, then mix well by pipetting up-down 15–20x to elute RNA from beads.

Let stand for an additional 1 min.

7 **Place tube on magnetic rack to separate beads (~2 mins).**



8 Transfer clean RNA solution to clean tube.