

GenElute™ Viral RNA Miniprep Kit Lab Checklist

All spins at 13,000-16,000 × g.

Release and Prepare RNA

For larger samples, lysis solution and 70% ethanol amounts can be scaled up proportionally.

1. Add 2-mercaptoethanol (10 µL/mL) and Poly(A) carrier RNA (20 µg/mL) to lysis solution.
2. Lyse 120 µL of virus-containing sample with 500 µL of supplemented lysis solution. Mix by vortexing.
3. Incubate 3-5 minutes at room temperature.
4. Add 500 µL of 70% ethanol to lysate. Mix by vortexing.

Bind RNA to Column

1. Transfer up to 700 µL lysate/ethanol mixture to binding column.
2. Spin ≥15 seconds and discard flow-through.
3. Repeat as needed until entire mixture has been loaded.

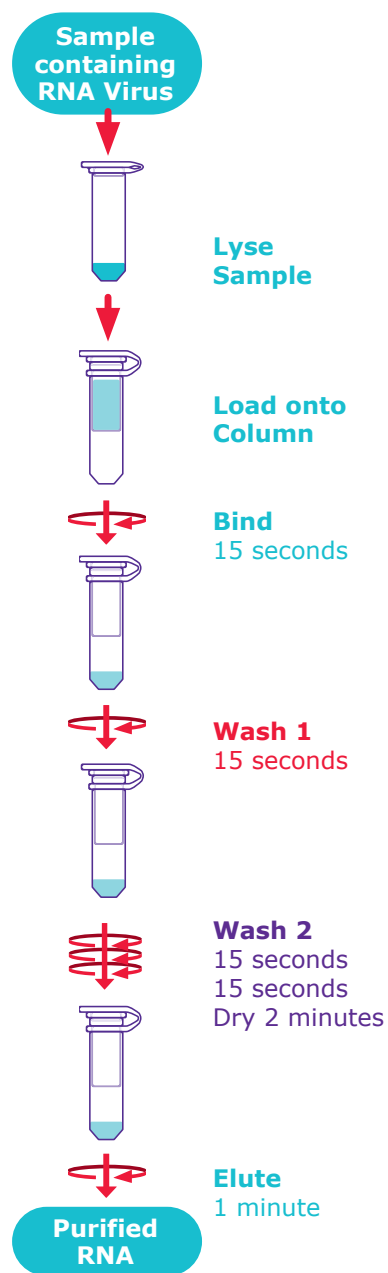
Wash to Remove Contaminants

Ethanol must be added to Wash 2 concentrate before first use.

1. Add 500 µL **Wash Solution 1** to column.
2. Spin ≥ 15 seconds and discard flow-through.
3. Add 500 µL **Wash Solution 2** to column.
4. Spin ≥ 15 seconds and discard flow-through.
5. Add 500 µL **Wash Solution 2** to column.
6. Spin ≥ 15 seconds and discard flow-through.
7. Spin 2 minutes to remove any residual ethanol.

Elute Purified RNA

1. Transfer column to new collection tube.
2. Add 50 µL elution solution to column.
3. Incubate 3-5 minutes at room temperature.
4. Spin 1 minute to elute RNA.



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