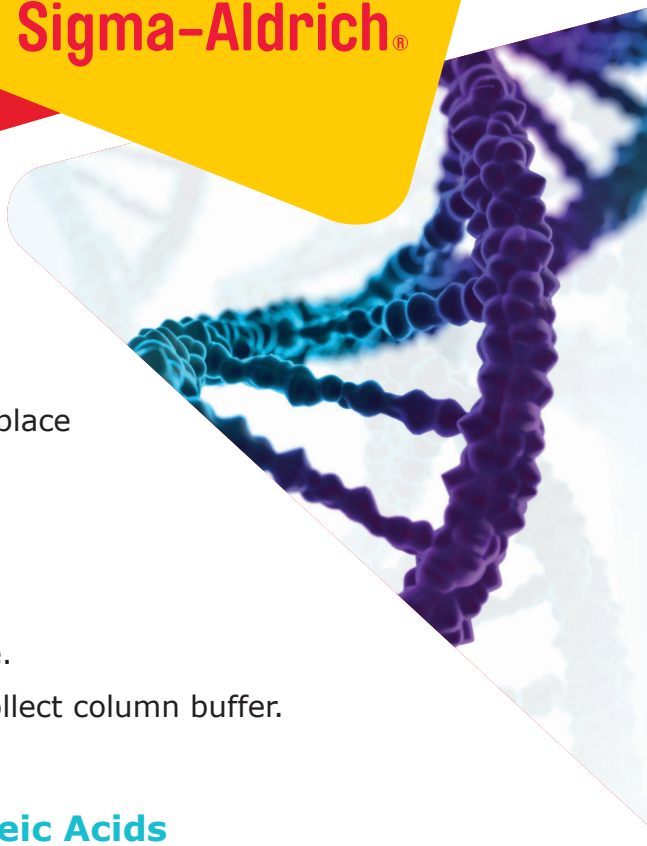
Sigma-Aldrich®

GenElute™-E Viral Spin Column Checklist



Prepare before starting

- ☐ Vortex GenElute™-E spin column and place in a 2 mL tube.
- ☐ Let stand for 15 minutes.
- ☐ Loosen screw cap of spin column.
- ☐ Snap off bottom closure.
  Place spin column back into 2 mL tube.
- ☐ Centrifuge 1 minute at 1,000 x g to collect column buffer.
- ☐ Place column in a 1.5 mL tube.

Lysis and Recovery of Viral Nucleic Acids

- ☐ Add 50 µL of Viral SmartLyse™ Viral Buffer to 1.5 mL tube for sample preparation.
  Optional: Add 1-20 µL of internal control (IC) provided by user. ICs that are added before the purification step should be > 500 nucleotides in length.
- ☐ Preparing sample
  - Swabs in transport media: Transfer 50 µL of swab media to the 1.5 mL tube with SmartLyse™ Viral Buffer.
  - Dry Swabs: Dilute the viral particles by rinsing the swab in 300-700 µl PBS of pH 7.2-8.5. Transfer 50 µL of sample to the 1.5 mL tube with SmartLyse™ Viral Buffer.
  - Stool samples: In a 2.0 mL tube add 10-20 mg stool sample and keep on ice. Resuspend in 600 µL 50 mM Tris buffer or PBS of pH 7.2-8.5. Transfer 50 µL of solution to the 1.5 mL reaction tube containing SmartLyse™ Viral Buffer.
- ☐ Transfer 90 µL of sample solution to prepared columns.
- ☐ Centrifuge 1 minute at 1,000 x g to collect Viral RNA/DNA.
- ☐ Collected Viral RNA/DNA is ready to use

20598313w-CL Rev 09/21 spin column

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