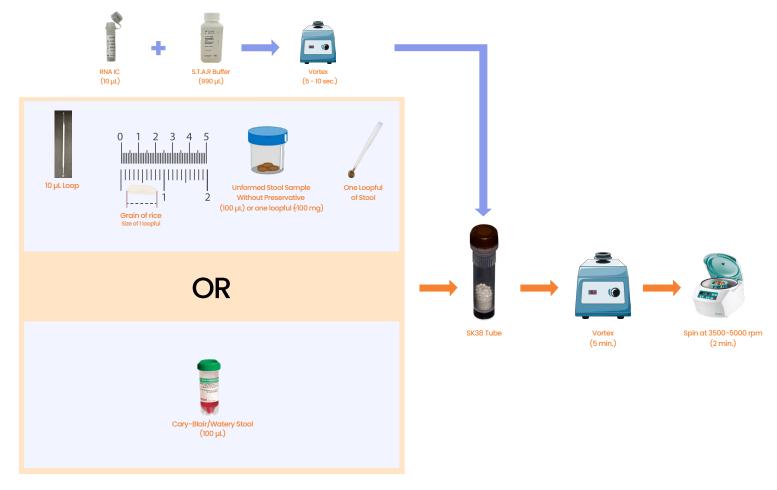


# **Stool Amount:**

Mix RNA IC and S.T.A.R. Buffer at a 1/100 ratio (v/v) to prepare 1 mL solution for each specimen then vortex for 5-10 seconds. **Add 100 µL Cary-Blair** or watery stool or one loopful (~100 mg) of formed stool to the SK38 tubes. Use a 10 µL disposable loop to pick up a loop of formed stool to add to SK38 tube. Do not add more stool than instructed. Doing so may lead to "**invalid results**".









### **Extraction:**

Transfer 200 µL of lysate from the SK38 tube into an easyMAG® or the MagNA Pure 96 processing cartridge.

easyMAG®	MagNA Pure 96
Perform Protocol:  Specific A.1.0.2,Volume: 0.200 mL,Eluate: 70.0 µL  Sample Type:  Primary, Matrix: Feces (stool)	Perform Protocol:  Pathogen Universal 200 3.1 for MagNA  Pure Kit: DNA/Viral NA SV 2.0.  Volume: 200 µL  Eluate: 50 µL
<ul> <li>Start 10 minute on-board incubation.</li> <li>When prompted add magnetic silica.</li> <li>Mix 550 µL nuclease free water and 550 µL magnetic silica in a 1.5 mL tube per easyMAG® cartridge.</li> <li>Mix well and dispense 125 µL into each well of an 8-well ELISA strip plate for each cartridge.</li> <li>Add 100 µL to each cartridge well and mix thoroughly.</li> </ul>	<ul> <li>NOTE</li> <li>Be careful to pipette directly to the bottom without producing bubbles.</li> <li>Liquid on the side of the well and bubbles will lead to incorrect volume sensing and the extraction will be aborted.</li> </ul>

## **Nucleic Acid Storage Conditions:**

Transfer sample extracts from the cartridge into PCR grade container.

## 2-8°C refrigerator

If testing within 24 hours.

#### -80°C or below

If testing  $\underline{\textbf{cannot}}$  be completed within 24 hours of extraction.

#### NOTI

- Store extracted nucleic acids at -80°C or below for up to 90 days.
- Store leftover pretreated samples (in SK38 tubes) at -80°C or below for up to 90 days.

# Repeat/Reflex Extraction:





easyMAG®

- Transfer **50 µL** of lysate from the SK38 tube into an easyMAG® cartridge and load onto the easyMAG®.
- Perform Protocol: Specific A.1.0.2, Volume: 0.050 mL, Eluate: 70.0 μL, Sample Type: Primary, Matrix: Feces (stool).

#### Method 2:

- Transfer 50 µL from the SK38 tube and 150 µL S.T.A.R. buffer into an easyMAG® cartridge and load onto the easyMAG®.
- Perform Protocol: Specific A.1.0.2, Volume: 0.200 mL, Eluate: 70.0 μL, Sample Type: Primary, Matrix: Feces (stool).



MagNA Pure 96

- Transfer 50 µL from the SK38 tube and 150 µL S.T.A.R. buffer into a MagNA Pure 96 processing cartridge.
- Perform Protocol: Pathogen Universal 200 for MagNA Pure Kit: DNA/Viral NA SV 2.0. Volume: 200 μL, Eluate: 50 μL.

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