

# BioCode® GPP

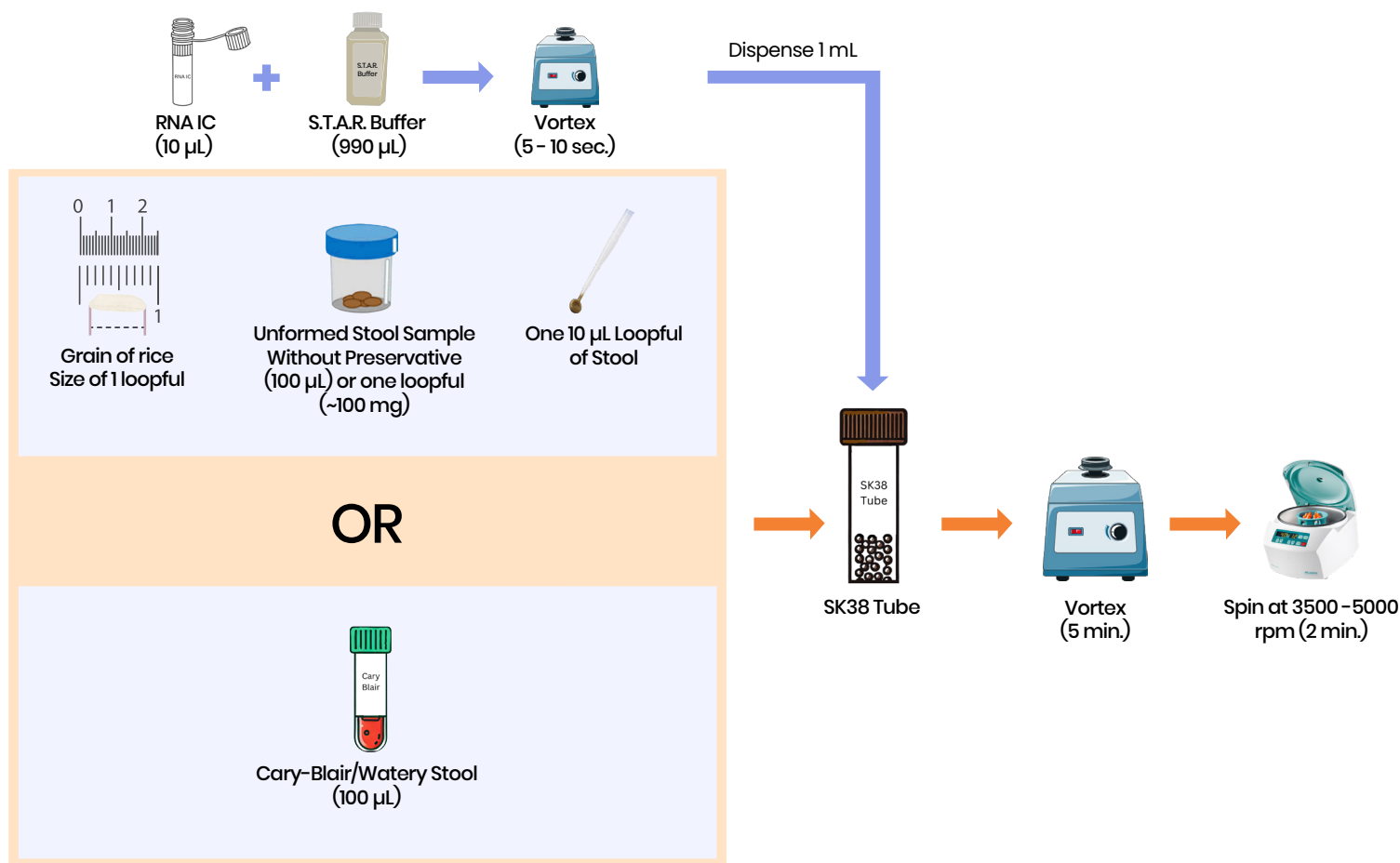
## Tips for Successful Sample Prep and Extraction With NUCLISENS® easyMAG®

### Stool Amount:

Mix RNA IC and S.T.A.R. Buffer at a 1/100 ratio (v/v) to obtain 1 mL of solution for each specimen plus a negative control. Vortex for 5-10 seconds, then dispense into the SK-38 tubes. **Add 100 µL Cary-Blair** or watery stool or one loopful (~100 mg) of formed stool to the SK38 tubes. Use 10 µL-Loop to pick up a loop of formed stool to add to SK38 tube. For the negative control, add 100 µL clean media (i.e. S.T.A.R. Buffer) or well characterized negative sample. Do not add more stool than instructed. Doing so may lead to **“invalid results”**.

### Note:

A valid negative control is **required** for each plate/kit lot to obtain results.



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## Extraction:

Transfer 200 µL of lysate from the SK38 tube into a NUCLISENS® easyMAG® processing cartridge.

### NUCLISENS® easyMAG®

#### Perform Protocol:

Specific A.1.0.2 for NUCLISENS® easyMAG®

**Volume:** 0.200 mL

**Eluate:** 70 µL

**Sample Type:** Primary, Matrix: Feces (stool)

#### Note

- Start 10 minute on-board incubation.
- When prompted add magnetic silica.
- Mix 550 µL nuclease free water and 550 µL magnetic silica in a 1.5 mL tube per NUCLISENS® easyMAG® cartridge.
- Mix well and dispense 125 µL into each well of an 8-well ELISA strip plate for each cartridge.
- Add 100 µL to each cartridge well and mix thoroughly.

## Nucleic Acid Storage Conditions:

Optional: 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 **cannot** be completed within 24 hours of extraction.

#### Note

- 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:



NUCLISENS® easyMAG®

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



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