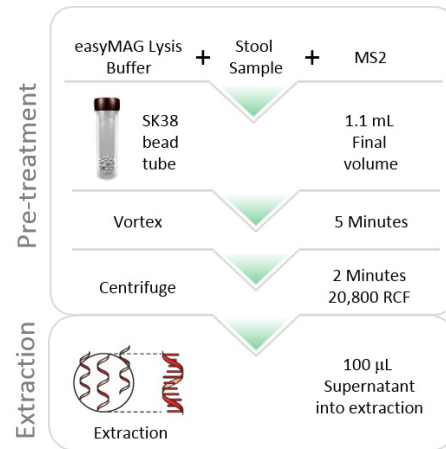


1 Prepare Sample

1. Pretreat the sample and extract the nucleic acid.
2. Program the PCR protocol into the thermal cycler with a heated lid (105°C).
3. Pre-heat the thermal cycler to 42°C.
4. Setup the NxTAG® Gastrointestinal Pathogen Panel (GPP) reaction plate.
 - If frozen, thaw the extracted nucleic acid samples.
 - Vortex the samples and spin down.
 - Aspirate 35 µL of the sample or control to each PCR vessel.
 - Reseal the plate.



2 Run Thermal Protocol

1. Place the foil-sealed plate in the pre-heated thermal cycler and run the protocol.
2. Remove the plate from the thermal cycler.

3 Setup System Software

1. Perform the following, if necessary:
 - Install the SYNCT™ Software.
 - Install the NxTAG module in SYNCT Software.
 - Import the NxTAG GPP assay file into SYNCT Software.
 - Import the NxTAG GPP data acquisition protocol into xPONENT® Software.
2. Define the assay controls:
 - Negative amplification control
 - Negative control
 - Positive external control
3. If allowed, define the Test Panel.

4 Acquire Samples

1. In xPONENT, perform the **Enhanced Startup Routine** with probe sonication and adjust the sample probe height at least once a week.
2. Heat the MAGPIX® plate heater to 37°C.
3. Add the post-batch routine reagents.
4. Place the plate on the heater block.
5. Create a batch.
6. Run the batch.
7. Complete the run.
 - Turn off the plate heater and remove the plate from the heater block.
 - Discard the test strip(s) in a sealed biohazard bag.
 - Decontaminate the plate, if you are re-using it.
 - Run the **System Shutdown Routine**.

5 Analyze Results in SYNCT™ Software

1. Create a run and import data into SYNCT Software.
2. Edit and review the Orders.
 - For samples, choose a Test Panel OR customize by selecting or masking targets.
 - For controls, apply a pre-defined control.
3. Process the Run by selecting the Sample ID (Run) and clicking **Process Run**.
4. View the results by navigating to **Results > Results**.
5. Create and print a report.

For Research Use Only. Not for use in diagnostic procedures.
NxTAG® GPP Quick Reference Guide (RUO)

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