

OMNigene® Liquefaction Reagent protocol

OMNigene® Liquefaction Reagent (OM-LQR) is intended to liquefy, or render pipettable, stool samples collected in OMNigene•GUT that are not pipettable manually and/or by liquid handlers. It is a lab-added reagent used during sample processing to render samples pipettable.

Supplied reagent

OMNigene Liquefaction Reagent (OM-LQR-400, OM-LQR-1600, DNA Genotek™)

Note: Perform visual inspection to assess if precipitation has occurred during storage/shipping; holding bottle against a light is recommended.

If precipitate is present:

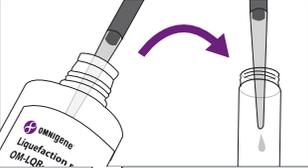
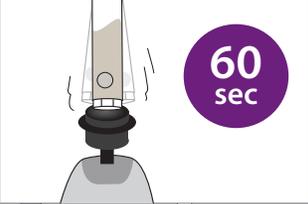
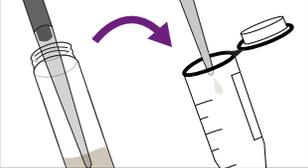
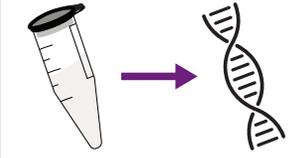
1. Incubate at 50°C for 60 minutes.
2. Vigorously shake the bottle for 1 minute by hand. Perform visual inspection.
 - **Small bottle (OM-LQR-400):** If precipitate still present, perform additional 50°C incubation for 60 minutes, followed by vigorous shaking for 1 minute by hand. Repeat as necessary until no precipitate remains.
 - **Large bottle (OM-LQR-1600):** If precipitate still present, add a clean 2 inch magnetic stir bar (eg., VWR: 58949-038) into the bottle and agitate on a stir plate (eg., VWR: 97042-646) at 600 rpm for 10 minutes at room temperature. Remove magnetic stir bar after mixing.

Equipment supplied by user

- Pipettors and wide-bore P1000 pipette tips (eg., VWR 89049-160)
- Bench top vortex mixer
- Bench top centrifuge capable of 400 x g with 15 mL falcon tube compatible buckets.

Procedure

Sample preparation steps	
	<p>1. Collect your fecal sample according to the OMNigene•GUT instructions. (OM-200 see PD-PR-00612, OMR-200 see PD-PR-00610)</p>
	<p>2. Vortex the sample for 20 seconds.</p>
	<p>3. Centrifuge the sample(s) at 400 x g for 30 seconds. This will collect the material at the bottom of the tube.</p>
	<p>4. With the purple cap still screwed on, unscrew the yellow portion of the tube and set aside on a clean surface.</p>

Sample preparation steps	
	<p>5. Add 500 µL of OMNIGENE Liquefaction Reagent to the sample. Screw the yellow/purple cap back onto the tube.</p>
	<p>6. Vortex the sample for 60 seconds. Sample will become visibly homogenous and liquid once the reagent is fully mixed in.</p> <p>IMPORTANT: If you are not proceeding immediately to extraction, repeating step 6 prior to proceeding to step 7 is required to guarantee a homogenous sample.</p>
	<p>7. With the purple cap still screwed on, unscrew the yellow portion of the tube and set aside on a clean surface. Using a wide-bore P1000 pipette tip, slowly pipette the sample into the extraction tube/vessel.</p> <p>IMPORTANT: Slow aspiration is critical.</p>
	<p>8. Proceed with preferred extraction method.</p>

Technical support is available Monday to Friday (9h00 to 17h00 ET):

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 Patent (www.dnagenotek.com/legalnotices)

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