

OMNigene® liquefaction reagent protocol

This laboratory protocol is used for the liquefaction of samples collected and stabilized in OMNigene•GUT devices to facilitate standardized processing of large numbers of samples.

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.



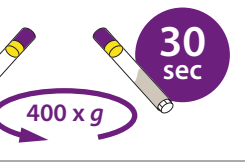

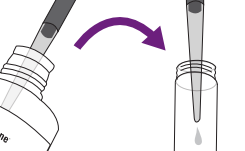
If precipitate is present:

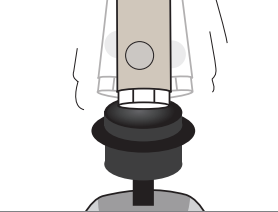
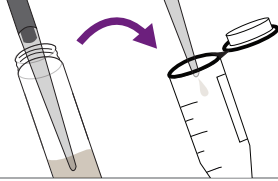
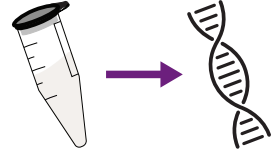
1. Incubate at 50°C for 60 minutes.
2. Vigorously shake the bottle for 1 minute by hand. Perform visual inspection.
 - **Small bottle (OM-LQR-400):** If precipitate still present, perform additional 50°C incubation for 60 minutes, followed by vigorous shaking for 1 minute by hand. Repeat as necessary 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>
	<p>5. Add 500 µL of OMNigene® Liquefaction Reagent to the sample. Screw the yellow/purple cap back onto the tube.</p>

Sample preparation steps	
	<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, vortexing (10 seconds) is required to guarantee a homogenous sample prior to proceeding to step 7.</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):

Toll-free (North America): 1.866.813.6354, option 6

Tel.: +1.613.723.5757, option 6

Some DNA Genotek products may not be available in all geographic regions, contact your sales representative for details.

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All DNA Genotek protocols, white papers and application notes, are available in the support section of our website at www.dnagenotek.com.

Patent (www.dnagenotek.com/legalnotices)

