Storage and aliquoting recommendations for samples collected in OMNIgene™•GUT Dx (OMD-200)

This document contains the recommendations on how to store OMNIgene™•GUT Dx collection kits after sample collection and how to aliquot samples for storage or processing.

Additional information regarding this product can be found in the OMNIgene™•GUT Dx (OMD-200) product handbook, PD-HB-00023.

OMNIgene™•GUT Dx (OMD-200) post-collection storage recommendations

	Room temperature storage (15°C – 25°C/59°F – 77°F)	Freezer storage (-20°C or -80°C/-4°F or -112°F)
OMNIgene™•GUT Dx (OMD-200) 	**Storage at room temperature:** Fecal samples collected with OMNIgene™•GUT Dx (OMD-200) devices can be stored at room temperature for up to **30 days**. **IMPORTANT:** Storing at 4°C (39°F) is NOT recommended for fecal samples collected with OMNIgene™•GUT Dx devices.	**Storage at -20°C or -80°C (-4°F or -112°F):** Nucleic acids should be extracted within 30 days of the sample being collected. Extracted samples should be stored at -20°C or -80°C (-4°F or -112°F) as per your standard operating procedures. **Freeze-thaw cycles:** OMNIgene™•GUT Dx will preserve the microbial community structure and maintain DNA integrity for up to **5 freeze-thaw cycles**.[1]

OMNIgene™•GUT Dx (OMD-200) aliquoting recommendations

Recommendations related to aliquoting fecal (stool) samples collected and stabilized in OMNIgene™•GUT Dx devices.

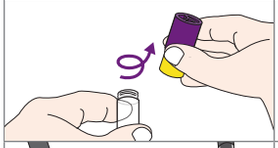
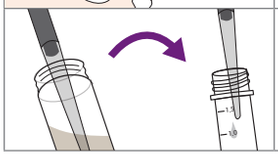
Equipment required

- Pipettors and wide-bore pipettor tips (e.g., VWR 89049-160)
- Bench top vortex
- Sterile cryovials with O-rings
  - The final collected volume of an OMD-200 tube is greater than 1.8 mL (maximum volume that should be placed in a single 2 mL cryovial)
  - Popular practice is to divide homogenized fecal sample evenly between 2 x 2 mL cryovials with O-rings.

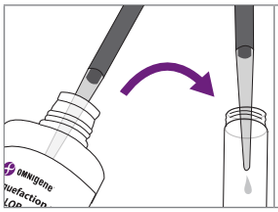
Continued on next page

OMNIgene™•GUT Dx

Procedure

	1. Collect a fecal sample according to the OMNIgene™•GUT Dx instructions. (DNA Genotek. OMD-200 Instructions for Use, PD-PR-01261.)
	2. Vortex the sample vigorously for 60 seconds (medium setting). This action typically will break up the matrix, making it more liquid and visibly homogenous.
	3. With the purple cap still screwed on, unscrew the yellow portion of the tube top and set aside on a clean surface.
	4. Using a wide-bore 1000 µL pipette tip, pipette out the sample and transfer it to a cryovial with an O-ring. If there is no wide-bore pipette tip, cut off the end of a pipette tip after sterilizing the scissors.

Troubleshooting

	If the sample is still too viscous to pipette, put the purple cap and yellow portion back on the tube tightly. Contact DNA Genotek to obtain OMNIgene™ Liquefaction Reagent (OM-LQR 400/1600) and follow instructions 1 through 5 as outlined in the OMNIgene™•GUT Dx collection device bacterial DNA purification protocol (PD-PR-00968, DNA Genotek).

For the optimized extraction protocol, see: OMNIgene™•GUT Dx Collection device bacterial DNA purification protocol using QIAGEN QIAamp PowerFecal Pro DNA kit (PD-PR-00968, DNA Genotek).

1 DNA Genotek. OMNIgene•GUT Dx (OMD-200) product handbook, PD-HB-00023.

Technical support is available Monday to Friday (9h00 to 17h00 ET):
Toll-free (North America): 1.866.813.6354, option 6
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PD-PR-01415 Issue 1/2023-06