# OMNIgene®•GUT microbial DNA purification protocol using QIAGEN® QIAamp® PowerFecal® Pro DNA Kit

This laboratory protocol is used for the preparation of a fecal sample collected and stabilized in OMNIgene•GUT for subsequent extraction of microbial DNA using the QIAGEN QIAamp PowerFecal Pro DNA Kit.

## Required reagent

1. QIAGEN QIAamp PowerFecal Pro DNA Kit (Cat No./ID 51804)

## Equipment required

- Pipettors and wide-bore P1000 pipette tips (e.g., VWR 89049-160)
- Equipment listed as referenced in the PowerFecal Pro DNA Kit Instruction Manual†

## Procedure

| Purification steps |
|---|
| 1. Prior to purification, shake or vortex the samples vigorously for 10 seconds. |
| 2. Spin the PowerBead® Pro tube briefly to ensure that the beads have settled at the bottom. |
| 3. Transfer 250 µL of the sample from the OMNIgene•GUT tube to the PowerBead Pro Tube.<br>**Note:** Use a wide bore tip or cut the end of a regular tip to facilitate transfer. |
| 4. Add 800 µL of Solution CD1 to the PowerBead Pro Tube. Gently vortex to mix. |
| 5. Continue with the QIAamp PowerFecal Pro DNA Kit, starting at step 2 (bead vortexing).<br>**IMPORTANT** - this protocol has been validated and optimized for use with a bead vortexer. The TissueLyzer II (QIAGEN) and other bead beading instruments have not been tested. Bead beater settings may require optimization. For questions or assistance, please contact DNA Genotek technical support (see below). |

**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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† QIAamp PowerFecal PRO DNA Kit Handbook (Cat. No. 51804), Instruction Manual HB-2560-001
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