

## OMNigene®•ORAL (OM-505) RNA purification protocol using MoBIO PowerMicrobiome™ RNA Isolation Kit

This laboratory protocol is used for the preparation of an oral sample collected and stabilized in OMNigene•ORAL (OM-505) for subsequent extraction of microbial RNA using the MoBIO PowerMicrobiome RNA Isolation Kit (26000-50).

### Required reagents

- MoBIO PowerMicrobiome RNA Isolation Kit (26000-50)
  - Refer to the manual in the kit for detailed extraction protocol

### Equipment required

- MoBIO Vortex Adapter
- Equipment listed as referenced in the MoBIO PowerMicrobiome RNA Isolation Kit Instruction Manual†

### Procedure

| Sample preparation steps   |
|--|
| 1. When samples are received in the lab, shake very vigorously for 10 seconds.   |
| 2. Prior to purification, incubate the entire sample in the original vial at 50°C for 1 hour in a water bath or for 2 hours in an air incubator.<br><br><b>Note:</b> Incubation may be performed any time between sample receipt and extraction. This step does not need to be repeated for extraction of subsequent aliquots. |
| 3. Transfer 250 µL of sample into the Glass Bead Tube from the MoBIO PowerMicrobiome RNA Isolation Kit.  |
| 4. Continue with the MoBIO PowerMicrobiome RNA Isolation Kit, starting at step 2.  |

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

- Toll-free (North America): 1.866.813.6354, option 6
- All other countries: 613.723.5757, option 6
- Email: [support@dnagenotek.com](mailto:support@dnagenotek.com)

† MoBIO PowerMicrobiome™ RNA Isolation Kit (26000-50), Version 05302013.

Some DNA Genotek products may not be available in all geographic regions.

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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](http://www.dnagenotek.com).

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