

## RNA purification protocol using MoBIO<sup>®</sup> PowerMicrobiome™ RNA Isolation Kit

OMNIGENE<sup>®</sup> family of swab-based kits (OMR-110, OMR-120, OMR-130)

This laboratory protocol is used for the preparation of a sample collected and stabilized in any of the OMNIGENE family of swab-based kits (OMR-110, OMR-120, OMR-130) for subsequent extraction of microbial RNA using the MoBIO<sup>®</sup> PowerMicrobiome™ RNA Isolation Kit (Cat. No. 26000-50).

### Required reagents

- Proteinase K (PK), 80 mg/mL
- MoBIO PowerMicrobiome™ RNA Isolation Kit (Cat. No. 26000-50)
  - Refer to the manual in the kit for a detailed extraction protocol

### Equipment required

- MoBIO Vortex Adapter
- Equipment listed as referenced in the MoBIO PowerMicrobiome™ RNA Isolation Kit Instruction Manual<sup>†</sup>

### Procedure

Sample prep steps
1. Add 5 µL of PK* (80 mg/mL) to the 1 mL sample collection tube and vortex. Incubate for 1 hour at 50°C water bath or 2 hours in a dry 50°C incubator. Ensure that swab tip is in contact with the chemistry.  *Recommended PK: Epicentre PK (Cat. No. MPRK092) or QIAGEN <sup>®</sup> Protease (Cat. No. 19155)
2. Transfer 250 µL of sample into the Glass Bead Tube.
3. 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

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

OMNIGENE-ORAL (OMR-110 and OMR-120) and OMNIGENE-VAGINAL (OMR-130) are for research use only, not for use in diagnostic procedures. 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).