



## RNA purification protocol using QIAGEN® RNeasy® PowerMicrobiome® Kit

OMNIGENE® family of oral and vaginal swab-based kits (OMR-110, OMR-120, OMR-130)

This laboratory protocol is used for the preparation of a sample collected and stabilized in the OMNIGENE family of oral and vaginal swab-based kits for subsequent extraction of microbial RNA using the QIAGEN RNeasy PowerMicrobiome Kit\*.

### Required reagents

- Proteinase K (PK)
- QIAGEN RNeasy PowerMicrobiome Kit (Cat No./ID 26000-50)
  - Refer to the kit handbook for a detailed extraction protocol

### Equipment required

- Vortex Adapter
- Equipment listed as referenced in the QIAGEN RNeasy PowerMicrobiome Kit Handbook†

### Procedure

Sample prep steps
<p>1. Add 400 µg of Proteinase K to the 1 mL sample collection tube and vortex. Incubate at 50°C for 1 hour in a water bath or 2 hours in a dry incubator. Ensure that the swab tip is immersed in the solution.</p> <p>Recommended Proteinase K:</p> <ul style="list-style-type: none"><li>• Epicentre PK (Cat. No. MPRK092) - Add 8 µL of 50 mg/mL stock.</li><li>• QIAGEN Proteinase K (Cat. No. 19131 or 19133) - Add 20 µL of 20 mg/mL stock.</li><li>• Roche Proteinase K (Cat. No. 3115887001, 3115828001 or 3115844001) – Add 22 µL of 18 mg/mL stock.</li></ul>
<p>2. Transfer 250 µL of sample into the PowerBead Bead Tube, Glass 0.1 mm.</p>
<p>3. Continue with the QIAGEN RNeasy PowerMicrobiome Kit, starting at step 2.</p>

### 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

\* Formerly sold by MO BIO as PowerMicrobiome™ RNA Isolation Kit (Cat. No. 26000-50).

† RNeasy® PowerMicrobiome® Kit Handbook (HB-2276-003, January 2020).

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

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