

OMNigene™•SALIVA DNA and RNA (OMR-610) purification protocol for human, bacterial and viral total nucleic acids using QIAGEN AllPrep® PowerViral® DNA/RNA Kit

This laboratory protocol is used for the preparation of a saliva sample collected and stabilized in OMNigene™•SALIVA DNA and RNA (OMR-610) for subsequent extraction of human, bacterial and viral total nucleic acids using AllPrep PowerViral DNA/RNA Kit (QIAGEN, Cat. No. 28000-50).

Equipment and reagents

- AllPrep PowerViral DNA/RNA Kit (QIAGEN)
- Phenol-chloroform-isoamyl alcohol (25:24:1, pH 6.5-8.0)
- Equipment and reagents listed are referenced in the AllPrep PowerViral DNA/RNA Kit (QIAGEN) handbook.[†] For a detailed extraction protocol, refer to the handbook included in the extraction kit.

Procedure

Sample preparation steps
1. Shake OMR-610 samples vigorously for 10 seconds once received in the laboratory.
2. Incubate the entire sample in the original vial at 50°C for 1 hour in a water bath or 2 hours in an air incubator. Note: Incubation may be performed any time between sample receipt and extraction. This step does not need to be repeated for the extraction of subsequent aliquots.
3. Add 100 µL phenol-chloroform-isoamyl alcohol (pH 6.5-8.0) to the PowerBead Tube.
4. Transfer 250 µL of the sample into a PowerBead Tube from the AllPrep PowerViral DNA/RNA Kit (QIAGEN).
5. Continue with the AllPrep PowerViral DNA/RNA Kit (QIAGEN) instructions, starting at step 4.

Technical support is available Monday to Friday (9:00 a.m.-5:00 p.m. ET):

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

[†]QIAGEN. AllPrep® PowerViral® DNA/RNA Kit Handbook, HB-2284-001. April 2018.

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.

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