

## OMNigene®•ORAL (OM-501) laboratory processing steps for nucleic acid extraction by third party extraction methods

This laboratory protocol is used for the preparation of saliva samples collected and stabilized in OMNigene•ORAL for subsequent extraction of microbial DNA using third-party extraction methods.

### User-required reagents and equipment

1. Water bath or incubator capable of 50°C
2. Third party nucleic acid extraction kit

### Part I – Laboratory preparation and storage of sample

Purification steps	Notes
1. When samples are received in the lab, shake very vigorously for at least 10 seconds.	<ul style="list-style-type: none"> <li>• Thorough mixing of the solution and sample is necessary to ensure maximum nucleic acid recovery and stability.</li> </ul>
2. Incubate entire sample in original vial at 50°C for 1 hour in a water bath or for 2 hours in an air incubator.	<ul style="list-style-type: none"> <li>• Incubation may be performed any time between sample receipt and extraction.</li> <li>• This step does not need to be repeated for extraction of subsequent aliquots.</li> <li>• Samples may be stored at room temperature for up to 1 year or stored frozen at -20°C indefinitely before or after the heating step.</li> </ul>

### Part II – Purification of an aliquot of sample

Purification steps	Notes
1. Proceed with DNA extraction as per your third-party extraction protocol.	<ul style="list-style-type: none"> <li>• Process sample aliquots according to the third-party extraction protocol.</li> </ul>

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

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

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