# Storage recommendations for samples collected using OMNigene® products from DNA Genotek™

The preservation and storage of microbiome samples is an important consideration for any study design. The table below summarizes recommendations for short-term handling and long-term storage of unprocessed samples collected in the various OMNigene® products offered by DNA Genotek™.

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Room temperature storage (20°C to 26°C / 68°F to 79°F)</th>
<th>Freezer storage (-20°C or -80°C / -4°F or -112°F)</th>
</tr>
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</table>
| **OMNigene•GUT** (OM-200, OMR-200) | **Storage at room temperature:**  
Fecal samples collected in OMNigene•GUT (OM-200, OMR-200) can be stored at room temperature for up to **60 days**.  
**IMPORTANT:** Storing at 4°C is NOT recommended for fecal samples collected in OMNigene•GUT. | **Storage at -20°C or -80°C:**  
Fecal samples collected in OMNigene•GUT (OM-200, OMR-200) can be stored in their original tube at -20°C and -80°C within 60 days of collection for 120 days or 30 days, respectively. For longer storage, OMNigene•GUT samples should be vigorously mixed, aliquoted into cryovials and stored at -80°C.  
**Freeze-thaw cycles:**  
OMNigene•GUT will preserve the microbial community structure and maintain DNA integrity for up to **6 freeze-thaw cycles**. |
| **OMNigene•ORAL for DNA** (OM-501) | **Storage at room temperature:**  
Saliva samples collected in OMNigene•ORAL (OM-501) can be stored at room temperature for up to **365 days**.  
**IMPORTANT:** Storing at 4°C is NOT recommended for saliva samples collected in OMNigene•ORAL. | **Storage at -20°C or -80°C:**  
Saliva samples collected in OMNigene•ORAL (OM-501) should be incubated at 50°C for one hour in a water bath or two hours in a dry incubator, mixed well by inversion, aliquoted into cryovials and stored at -20°C or -80°C within 365 days of collection.  
**Freeze-thaw cycles:**  
OMNigene•ORAL will maintain DNA integrity for up to **3 freeze-thaw cycles**. |
| **OMNigene•ORAL for DNA & RNA** (OM-505, OME-505) | **Storage at room temperature:**  
Saliva samples collected in OMNigene•ORAL (OM-505, OME-505) can be stored at room temperature for up to **21 days**.  
**IMPORTANT:** Storing at 4°C is NOT recommended for saliva samples collected in OMNigene•ORAL. | **Storage at -20°C or -80°C:**  
Saliva samples collected in OMNigene•ORAL (OM-505, OME-505) should be incubated at 50°C for one hour in a water bath or two hours in a dry incubator, mixed well by inversion, aliquoted into cryovials and stored at -20°C or -80°C within 21 days of collection.  
**Freeze-thaw cycles:**  
OMNigene•ORAL will maintain DNA and RNA integrity for up to **3 freeze-thaw cycles**. |

*Continued on next page*
## Room temperature storage

(20°C to 26°C / 68°F to 79°F)

## Freezer storage

(-20°C or -80°C / -4°F or -112°F)

| **OMNiGene-ORAL** (OMR-110, OMR-120) | Storage at room temperature: Samples collected in OMNiGene-ORAL (OMR-110/120) and OMNiGene-VAGINAL (OMR-130) can be stored at room temperature for up to **30 days.**

**IMPORTANT:** Storing at 4°C is NOT recommended for samples collected in OMNiGene-ORAL or OMNiGene-VAGINAL. |
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| **OMNiGene-VAGINAL** (OMR-130) | Storage at -20°C or -80°C: Samples collected in OMNiGene-ORAL (OMR-110/120) and OMNiGene-VAGINAL (OMR-130) should be treated with Proteinase K and incubated, aliquoted into cryovials and stored at -20°C or -80°C within 30 days of collection.

**IMPORTANT:** Ensure samples are vortexed and the swab wrung out prior to aliquoting or if transferring into cryovials. |

| **OMNiGene-SKIN** (OMR-140) | Storage at room temperature: Samples collected in OMNiGene-SKIN (OMR-140) can be stored at room temperature for up to **30 days.**

**IMPORTANT:** Storing at 4°C is NOT recommended for samples collected in OMNiGene-SKIN. |
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| **OMNiGene-SKIN** (OMR-140) | Storage at -20°C or -80°C: Samples collected in OMNiGene-SKIN (OMR-140) should be treated with Proteinase K and incubated, aliquoted into cryovials and stored at -20°C or -80°C within 30 days of collection.

**IMPORTANT:** Ensure samples are vortexed and the swab wrung out prior to aliquoting or if transferring into cryovials. |

### Freeze-thaw cycles:

OMNiGene-ORAL and OMNiGene-VAGINAL will preserve the microbial community structure and maintain DNA and RNA integrity for up to **3 freeze-thaw cycles.**

OMNiGene-SKIN kits will preserve the microbial community structure and maintain DNA integrity for up to **3 freeze-thaw cycles.**

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### References

1. Add 5 µL of Proteinase K (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.

Recommended Proteinase K: Epicentre PK (Cat. No. MPRK092) or QIAGEN® Protease (Cat. No. 19155)