



PERFORMAbiome™•GUT is an all-in-one system for easy collection and stabilization of microbial DNA from animal fecal samples.

- **Rapidly homogenize and stabilize microbiome sample at the point-of-collection**
- **Transport and store stabilized DNA at ambient temperature for 60 days – no cold chain required**
- **Microbiome profile is protected through multiple freeze/thaw cycles**
- **Ensure microbiota profile accurately represent the *in vivo* state**
- **Standard sample input is ideal for manual or high-throughput, automated processing**
- **Obtain high quality DNA suitable for 16S rRNA microbiome profiling, shotgun metagenomic sequencing, qPCR and arrays**
- **Barcoded for full sample traceability**

"The PB-200 tubes come with straightforward directions, are convenient to use, provide a sample size sufficient for several DNA extractions, and will be extremely useful for those who need to preserve samples collected in the field."

Kelly Scott Swanson, Professor, Department of Animal Sciences and Division of Nutritional Sciences  
University of Illinois at Urbana-Champaign

**Standardized  
sample input for  
quantitative  
analysis**

**Sample ready for transport, storage and processing**

**Collection device catalog #: PB-200**

**For more information contact**  
**[info@dnagenotek.com](mailto:info@dnagenotek.com)**

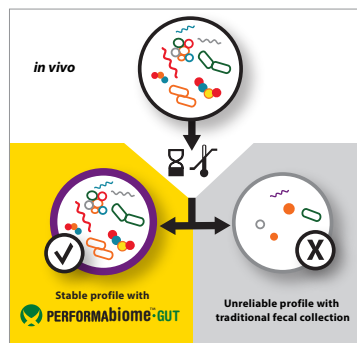
**For Animal Use Only**

### For collection of microbial DNA

DNA Genotek Inc.  
3000 - 500 Palladium Drive  
Ottawa, ON, Canada K2V 1C2  
Subsidiary of OraSure Technologies, Inc.

Toll-free (North America): 1.866.813.6354  
Tel.: +1.613.723.5757 • Fax: +1.613.723.5057  
[www.dnagenotek.com](http://www.dnagenotek.com)  
[info@dnagenotek.com](mailto:info@dnagenotek.com)

**DNAgenotek**  
www.dnagenotek.com



## Benefits of snapshotting a sample for quantitative analysis

*Total homogenization and stabilization of the sample at point-of-collection ensures:*

- Neutrality
- Richness
- Abundance
- Reproducibility
- Stability

## Benefits of PERFORMabiome•GUT

- Minimize bias introduced by microbial growth and DNA degradation
- Eliminate the costs associated with temperature controlled shipping
- Eliminate need for weighing and aliquot bias with a standard volumetric sample
- Maintain DNA integrity in typical ambient temperature fluctuations (e.g., -20°C to 50°C)
- Minimize noise in your data analysis with reliable microbiota profile

| Attribute   | PERFORMabiome•GUT (PB-200) |
|---|----------------------------|
| Sample homogenization   | ✓                          |
| Sample collected per kit (median)                               | 630 ± 120 mg               |
| Shipping at ambient temperature                                 | ✓                          |
| Compatible with guanidinium based extraction kits               | ✓                          |
| Standardized format for high-throughput processing              | ✓                          |
| Number of extractions per kit (250 µL per extraction)           | 8                          |
| DNA yield per extraction (median)                               | 1.66 ± 0.8 µg              |
| High molecular weight DNA                                       | ✓                          |
| Microbiome profile stability at room temperature                | 60 days                    |
| Suitable for NGS downstream application                         | ✓                          |
| Quantitative analysis were performed using canine fecal samples | ✓                          |

### Product Specifications

#### Pre-use with packaging:

Dimensions: 17.6 cm x 10.3 cm

Weight: 22.0 g

Shelf-life: 18 months

#### Post sample collection specifications

Tube diameter: 15.25 mm

Tube height (with caps): 118.9 mm

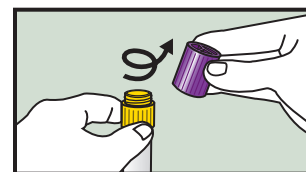
Tube height (without caps): 92.5 mm

Cap diameter: 18 mm

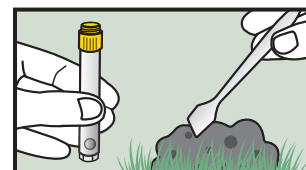
Storage conditions: 15°C–25°C

Sample stability: 60 days

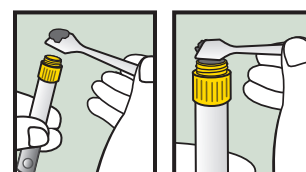
## Easy collection



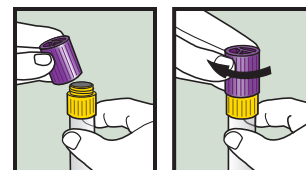
While holding the yellow tube top, unscrew **ONLY** the purple cap and hold for later use.



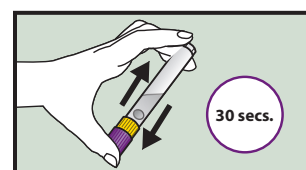
Use the spatula to collect a small amount of fecal sample.



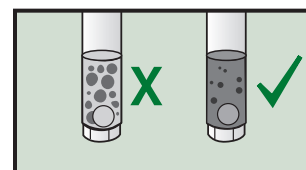
Transfer the fecal sample into the yellow tube top. Scrape horizontally across the tube top to level the sample and remove any excess.



Screw the purple cap back onto the yellow tube top until tightly closed.



Shake the sealed tube for a minimum of 30 seconds.



The fecal sample will be mixed with the stabilizing liquid in the tube; not all particles will dissolve. **IMPORTANT:** Continue shaking if large particles remain.

## PB-200 kit contents



Some DNA Genotek products may not be available in all geographic regions. PERFORMabiome™ is a trademark of DNA Genotek Inc. All other brands and names contained herein are the property of their respective owners. Patent (www.dnagenotek.com/legalnotices)

*Superior samples • Proven performance*

**For Animal Use Only**

PD-BR-00267 Issue 1/2018-02  
© 2018 DNA Genotek Inc., a subsidiary of OraSure Technologies, Inc., all rights reserved.

**DNA genotek**  
www.dnagenotek.com