



A snapshot of the microbiome

Collect and stabilize DNA for quantitative gut microbiome profile analysis

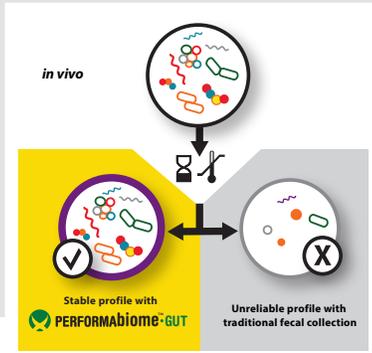
PERFORMabiome™•GUT is an all-in-one system for easy collection and stabilization of microbial DNA from animal fecal samples.



- 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



The benefits of a sample snapshot for quantitative analysis

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

- neutrality
- richness
- abundance
- reproducibility
- stability

Benefits of PERFORMabiome™•GUT devices

- Minimize bias introduced by microbial growth and DNA degradation
- Eliminate the costs associated with temperature controlled shipping
- Eliminate the 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

PERFORMabiome™•GUT (PB-200) attributes

Sample homogenization	✓
Sample collected per kit (median)	630 mg ± 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 µg ± 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: 24.2 cm x 10.2 cm
Weight: 20.26 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
Net weight: 12.08 g
Storage conditions: 15°C–25°C
Sample stability: 60 days

PB-200 kit contents



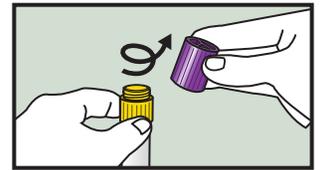
Packaging and instructions



Collector



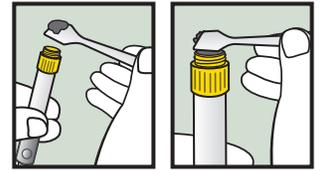
Spatula



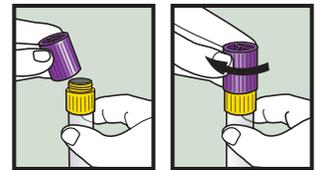
While holding the yellow tube top, unscrew **ONLY** the purple cap and hold for later use.



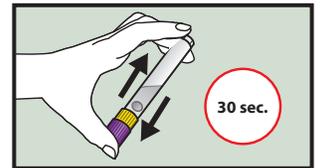
Use the spatula to collect a small amount of fecal sample.



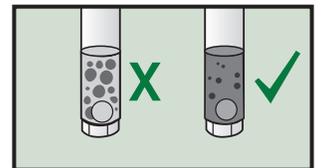
Transfer the fecal sample into the yellow tube top. Scrape horizontally across the tube top to level the sample and remove any excess.



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



Shake the sealed tub as hard and fast as possible in a back and forth motion 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.

For full collection instructions visit www.dnagenotek.com

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