



Fecal Swab Collection and DNA Preservation System

Stabilize Microbiota Profiles from Point-of-Collection

Compatible with Commercially Available DNA Isolation Protocols

Optimized isolation procedure using Norgen's DNA Isolation System



- ✓ Collect from nasal, buccal, saliva, fecal, skin, surfaces, and more
- ✓ Completely stabilize microbiota profiles from the point-of-collection
- ✓ Minimize bias in data analysis: NGS (Metagenomics/Microbiome), PCR and microarrays
- ✓ No need to immediately process samples: ship and store at ambient temperatures
- ✓ DNA preservation at room temperature over 2 years
- ✓ Renders sample non-infectious for safe and easy shipping

High Quality DNA/RNA Purified from Preserved Stool

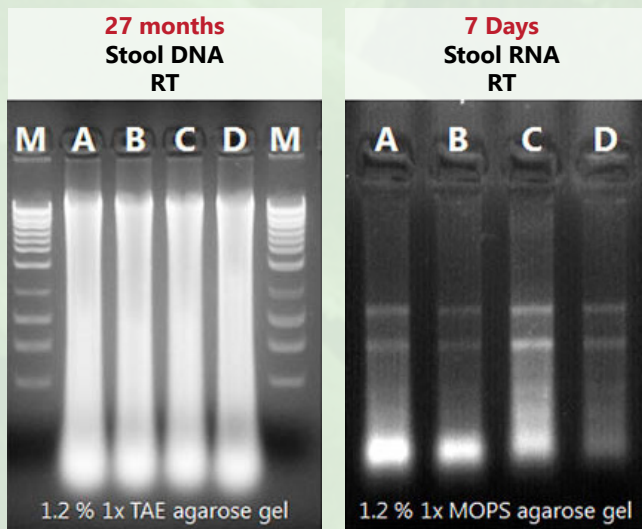


Figure 1. Integrity of Stool DNA and RNA Isolated from Preserved Stool Samples. DNA and RNA were isolated from 200 μ L of preserved stool stored at room temperature at the indicated time points using Norgen's Fecal Swab Collection and Preservation System (Cat. 45670). Next, 10 μ L from the 75 μ L eluted nucleic acid was loaded onto a gel for visual analysis. High integrity stool DNA was isolated from preserved stool samples that were stored at room temperature for 27 months, and high integrity RNA was isolated from stool samples stored for 7 days at ambient temperature. Lane M is Norgen's HighRanger 1 kb DNA Ladder (Cat. 11900).

Hierarchical Clustering of Stool Samples at Phylum Level

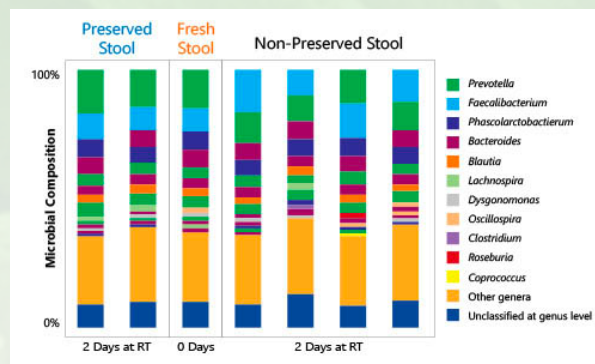


Figure 2. Hierarchical Clustering of Stool Samples at Phylum Level Under Different Storage Conditions. The microbial composition from the stool samples preserved in Norgen's Stool Nucleic Acid Preservative did not differ significantly to that of controls (fresh stool from Day 0 at RT) over a 2 day period, while non-preserved stool samples showed a greater difference in the dendrogram from the original stool profile.

Ordering Information

Description	Size	Cat. No
Fecal Swab Collection and DNA Preservation System	50 units	45670
Swab Collection and DNA Preservation System	50 units	45690
Saliva DNA Isolation Kit	50 preps	RU45400
Microbiome DNA Isolation Kit	50 preps	64100
Stool DNA Isolation Kit	50 preps	27600



For more information
SCAN HERE

Visit our website: www.norgenbiotek.com to view our complete line of reagents and innovative sample preparation kits.