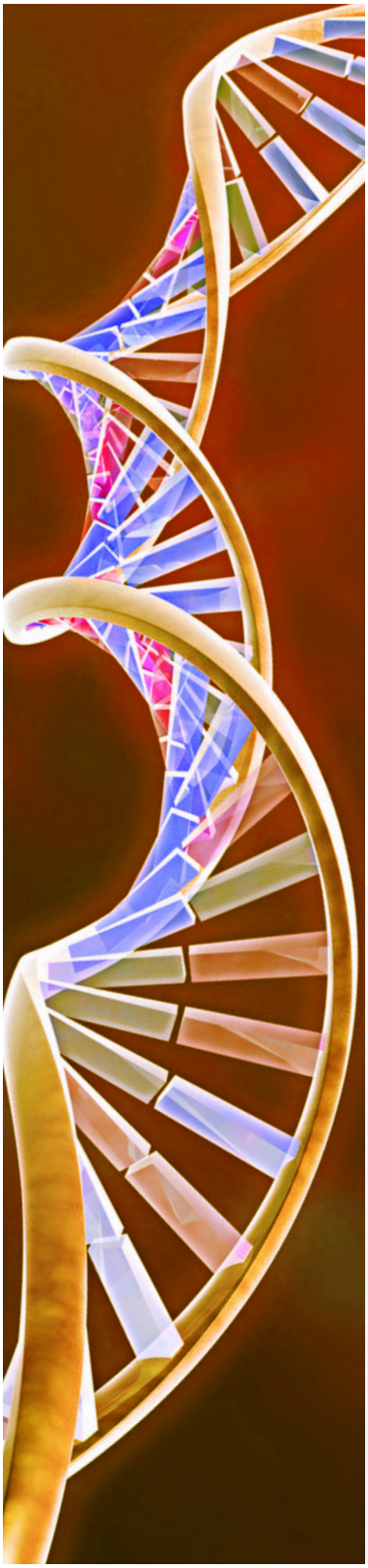


Fecal DNA Collection and Preservation Mini Tubes

CAT. 27650

A RAPID AND SIMPLE METHOD FOR THE PRESERVATION OF DNA FROM FRESH FECAL SAMPLES

- Optimize collection of fecal samples like pellets from small animals
- Includes pre-loaded beads for effective sample homogenization by bead beating (tubes are fully compatible with commercially available bead beating systems)
- No need to immediately process samples
- DNA preservation at room temperature over 2 years
- Ship fecal samples at room temperature safely
- Compatible with most DNA isolation methods
- Stabilize the microbiome profile from the point of collection

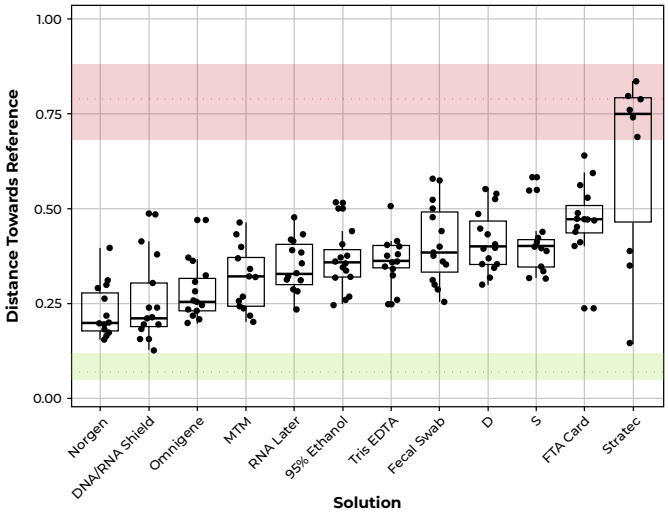
COLLECTION & PRESERVATION
EXTRACTION
APPLICATION

ISO 9001:2015 CERTIFIED QUALITY
ISO 13485:2016 CERTIFIED QUALITY
GMP COMPLIANT

NORGEN BIOTEK

norgenbiotek.com

Advantages You Will Bring to Your Lab

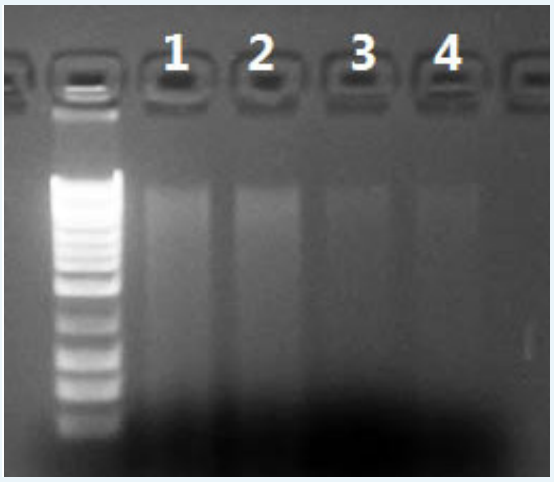


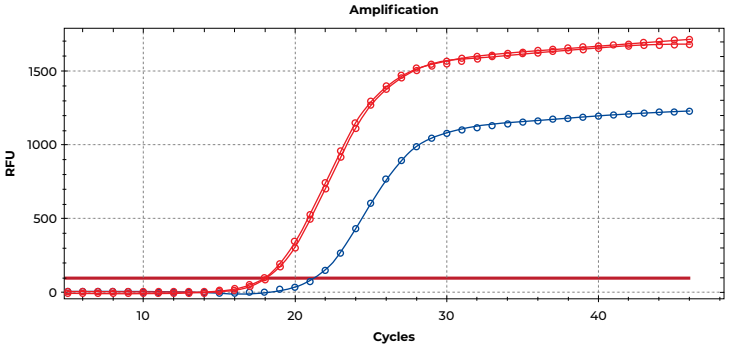
NORGEN'S BEST-IN-CLASS PRESERVATION

Figure 1. Norgen's Best-In-Class Preservation. Summary of community shifts in response to stabilizing solutions over a 14-day storage period. Bray-Curtis distance towards the reference for each patient grouped by stabilizing solution. Median and 5th-to-95th percentile ranges are shown for both interaliquot and interpatient variability (adapted from Plauzolles et al, 2022). Norgen is the most similar to frozen stool samples, over 11 other sample collection and storage methods.

HIGH DNA CONCENTRATION AND QUALITY

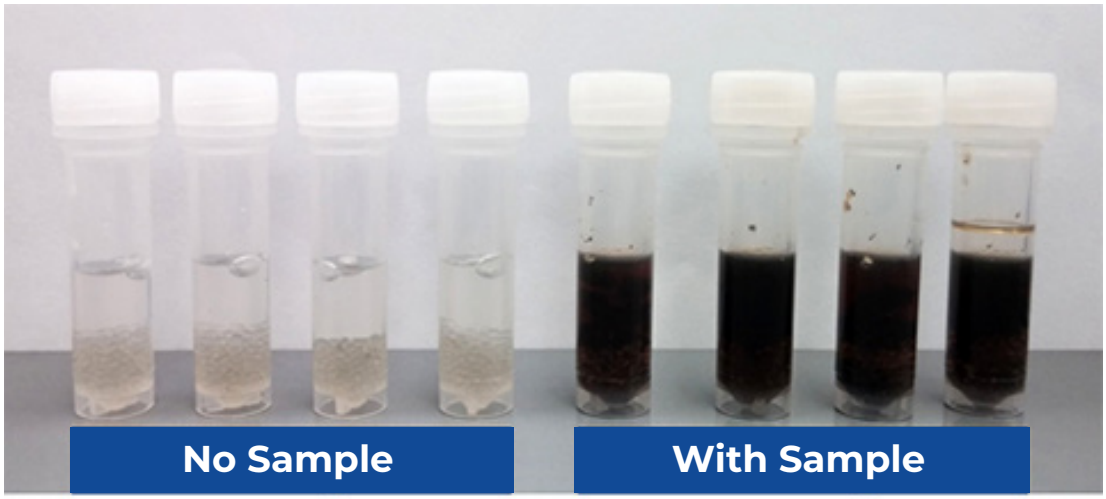
Figure 2. Resolution of DNA Isolated from 200 µL Preserved Mouse Fecal Samples using Norgen's Stool DNA Isolation Kit (Cat. 27600). Briefly, 4-5 drops (<30 mg) of mouse fecal samples were collected using Norgen's Fecal DNA Collection and Preservation Mini Tubes (Cat. 27650). Stool DNA was isolated from the preserved samples using Norgen's Stool DNA Isolation Kit. For evaluation, 10 µL of each 50 µL elution were run on 1X TAE 1.2% agarose gel. Marker = Norgen's HighRanger DNA Ladder.





HIGH QUALITY OF DNA FROM MOUSE FECAL SAMPLES FOR USE IN DOWNSTREAM APPLICATIONS

Figure 3. Quality of Mouse Fecal DNA was Evaluated by 16s rDNA Amplification using Real-Time PCR. Two mouse fecal samples (red and blue) were collected and preserved using Norgen's Fecal DNA Collection and Preservation Mini Tubes, and then 3 µL of DNA was used in 20 µL PCR reaction to detect 16S rDNA. No PCR inhibition was observed, indicating the high quality of DNA from mouse fecal samples for use in downstream applications.



COLLECTION OF MOUSE FECAL SAMPLES IN NORGEN'S FECAL DNA COLLECTION AND PRESERVATION MINI TUBES

Figure 4. Collection of Mouse Fecal Samples in Norgen's Fecal DNA Collection and Preservation Mini Tubes. Approximately 30 mg (3-5 droppings) of mouse fecal samples were added to Norgen's Fecal Collection and Preservation Mini Tubes and briefly vortexed. The preserved samples are ready to ship, or for isolation of DNA using compatible DNA isolation kits.

KIT SPECIFICATIONS

Description	Specifications
Fecal Input	Maximum 30 mg (approximately 3-5 mouse droppings)
Stability of Fecal DNA at Room Temperature	2 years

KIT COMPONENTS

Description	Specifications
Fecal DNA Collection & Preservation Mini Tubes(containing liquid preservative and beads)	12
Product Insert	1

Ordering Information

Description	Tubes	Cat. #
Fecal DNA Collection and Preservation Mini Tubes	12 Tubes	27650

Order Today!

Order Norgen's Fecal DNA Collection and Preservation Mini Tubes today to help improve your research performance and workflow.

Three ways to order

Visit **norgenbiotek.com**
Call at **1-866-NORGENB** or **905-227-8848**
Email at **orders@norgenbiotek.com**

Enhance your lab with the complete workflow solutions from Norgen.

Related Products	Prep Size	Cat. #
Stool Nucleic Acid Isolation Kit	50 Prep	45600
Stool Total RNA Purification Kit	50 Prep	49500
Norgen Next Generation Sequencing Services	Call 1-866-NORGENB or Visit norgenbiotek.com	

For more information **SCAN HERE**

NORGEN BIOTEK

norgenbiotek.com