

## Stool Nucleic Acid Collection and Preservation Tubes

Product # 45660

## Product Insert

**Norgen's Stool Nucleic Acid Collection and Preservation Tubes provide a rapid and simple method for the collection, preservation and shipping of stool samples.**

### INTENDED USE:

Norgen's Stool Nucleic Acid Collection and Preservation Tubes are designed for the rapid preservation of nucleic acids from fresh stool specimens. The Stool Nucleic Acid Collection and Preservation Tubes contain Norgen's Stool Preservative in a liquid format. The user simply collects stool into the tubes (fill up to the line indicated on the tube) and mixes gently until the stool is well submerged under the preservative. The Stool Preservative prevents the growth of Gram-negative and Gram-positive bacteria and fungi, and also inactivates viruses allowing the resulting non-infectious samples to be handled and shipped safely. In addition, the Stool Preservative eliminates the need to immediately process or freeze samples and allows the samples to be shipped to centralized testing facilities at ambient temperatures. The components of the Stool Preservative allow samples to be stored at room temperature for over 2 years for DNA and 7 days for RNA. To extend the stool RNA stability in the preservative, storage at -20°C or -70°C is recommended at the arrival to testing facilities until the RNA purification.

### NUCLEIC ACID ISOLATION FROM PRESERVATIVE

Stool samples collected and preserved in Norgen's Stool Nucleic Acid Collection and Preservation Tubes are compatible with most DNA and RNA isolation methods. Samples stored in the tubes have been used successfully with all of Norgen Biotek's stool-based DNA and RNA isolation kits and reagents.

### Specifications

Kit Specifications	
Stool Input	2 g
Stability of Stool Nucleic Acid at Room Temperature	2 years for DNA 7 days for RNA*

\* The RNA stability will be vary depending on the samples

### Advantages

- No need to immediately process samples
- Nucleic acid preservation at room temperature over 2 years for DNA and 7 days for RNA
- Ship stool samples at room temperature safely
- Compatible with most DNA/RNA isolation methods

### Kit Components

Component	Product # 45660
Stool Nucleic Acid Collection and Preservation Tubes	50
Product Insert	1

### Disclaimers and Satisfaction Guarantee

This kit is designed for research purposes only. It is not intended for diagnostic use.

NORGEN BIOTEK CORPORATION guarantees the performance of all products in the manner described in our product manual. The customer must determine the suitability of the product for its particular use. We reserve the right to change, alter, or modify any product to enhance its performance and design.

### Warnings and Precautions

If any of the Stool Preservative comes into contact with skin or eyes, wash thoroughly with water. Do not ingest the Stool Preservative. Stool of all human and animal subjects is considered potentially infectious. All necessary precautions recommended by the appropriate authorities in the country of use should be taken when working with stool. Dispose of human specimens according to local, provincial or federal regulations.

### Storage Conditions and Product Stability

All tubes should be kept tightly sealed and stored at room temperature (15 – 25 °C) for up to 2 years without any reduction in performance.

## Procedure

1. Avoid any contact between the stool sample and urine.
2. Pass stool directly onto plastic wrap (If stool is loose use a large clean container) placed under the seat of the toilet.
3. Scoop stool sample from three sites using the spoon attached in the cap, and place the stool into the tube until the liquid reaches the Fill To This Line (Do not over fill).
4. Tighten the cap and shake gently until the stool is thoroughly mixed with the preservative.
5. Label the stool tube with your full name and date of collection.
6. Submit the specimen to the lab by shipping at room temperature.
7. Nucleic acids can be purified from the preserved stool sample using a number of different methods, including Norgen's stool-based sample preparation kits (please refer to Related Products table below).

Related Products	Product #
Stool Nucleic Acid Isolation Kit	45600
Stool DNA Isolation Kit	27600
Stool Total RNA Purification Kit	49400, 49500
Stool DNA Isolation Kit (Magnetic Bead System)	55700
Stool DNA Isolation 96 well kit (Magnetic bead system)	63100

### Technical Support

Contact our Technical Support Team between the hours of 8:30 and 5:30 (Eastern Standard Time) at (905) 227-8848 or Toll Free at 1-866-667-4362.

Technical support can also be obtained from our website ([www.norgenbiotek.com](http://www.norgenbiotek.com)) or through email at [techsupport@norgenbiotek.com](mailto:techsupport@norgenbiotek.com).

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