

**Stool Nucleic Acid Collection and Preservation System (50)
 Product Insert**

Product # 63700

Norgen’s Stool Nucleic Acid Collection and Preservation System provides a complete system for the rapid and simple collection, preservation and shipping of stool samples.

INTENDED USE:

Norgen’s Stool Nucleic Acid Collection and Preservation System is a complete system designed for collection, ambient storage and transport of nucleic acids from stool specimens. Each of the 50 clamshells contain: nitrile gloves, alcohol swabs, Fe-Col® Collection Paper, and Norgen’s Stool Nucleic Acid Collection and Preservation Tube containing Norgen’s Stool Preservative in a liquid format. The user simply collects the stool specimen using the provided Fe-Col® Collection Paper, and then transfers the stool into the Stool Nucleic Acid Collection and Preservation Tube using the spoon attached to the lid. The sample is then mixed gently until the stool is well submerged under the preservative. 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 up to 7 days for RNA. To extend the stool RNA stability in the preservative, storage at -20°C or -70°C is recommended upon arrival at the testing facilities until RNA purification. The Stool Preservative also prevents the growth of Gram-negative and Gram-positive bacteria and fungi, and inactivates viruses allowing the resulting non-infectious samples to be handled and shipped safely.

NUCLEIC ACID ISOLATION FROM PRESERVATIVE

Stool samples collected and preserved using Norgen’s Stool Nucleic Acid Collection and Preservation System 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 Up to 7 days for RNA*

* The RNA stability will be vary depending on the samples

Advantages

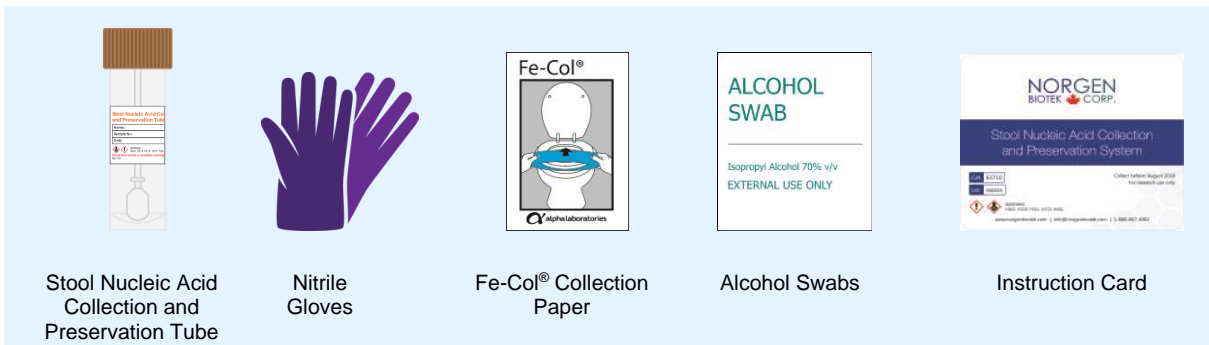
- Complete, user-friendly system to collect, preserve and transport stool samples
- No need to immediately process samples
- Nucleic acid preservation at room temperature over 2 years for DNA and up to 7 days for RNA
- Ship stool samples at room temperature safely
- Compatible with most DNA/RNA isolation methods

Stool Nucleic Acid Collection and Preservation System (50) Contents:

Component	Product # 63700
Stool Nucleic Acid Collection and Preservation System	50
Product Insert	1

Stool Nucleic Acid Collection and Preservation System Clamshell Contents:

Component	Product # 63710
Stool Nucleic Acid Collection and Preservation Tube	1
Nitrile Gloves	2
Fe-Col® Collection Paper	1
Alcohol Swabs	2
Instruction Card	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

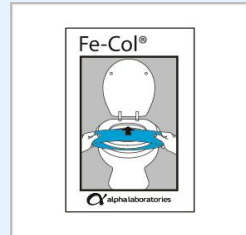
All tubes should be kept tightly sealed and stored at room temperature (15 – 25°C) for up to 2 years without any reduction in performance.

A. Sample Collection and Preservation Procedure

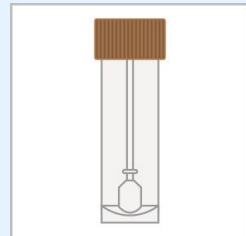
1. Put on the Nitrile Gloves before starting any collection.



2. Open the Fe-Col® Collection Paper and follow the instructions included inside the device.



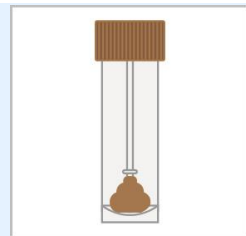
3. Unscrew the cap of the Stool Nucleic Acid Collection and Preservation tube.



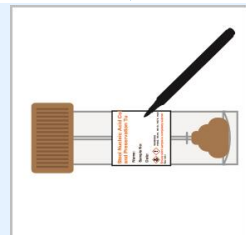
4. Use the spoon to scoop the stool sample and transfer into the tube until the liquid reaches the "Fill To This Line" (Do not over fill).



5. Tighten the cap and shake gently until the stool is thoroughly mixed with the preservative. Cleanup any debris with the Alcohol Swab.



6. Record donor information on the label of the tube. Submit the specimen to the lab by shipping at room temperature.



B. INSTRUCTIONS FOR STORAGE OF PRESERVED STOOL SAMPLES

1. The stool DNA in preserved samples is stable for more than 2 years at room temperature without significant loss of DNA quality
2. The stool RNA in preserved samples is stable for up to 7 days at room temperature without significant loss of RNA quality.
3. 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.

C. SHIPPING SAMPLES FOR NUCLEIC ACID ISOLATION AND ANALYSIS

Samples can be shipped to the lab for analysis using Norgen's Shipping Accessories (50 Mailers - Cat# 38300). Norgen's Shipping Accessories provide a safe and convenient tool for shipping non-infectious biological specimens, and includes all shipping requirements in one convenient envelope, including leak-proof biohazard bags with absorbent pads for enhanced safety. These shipping envelopes match the standards of OSHA as well as the IATA regulations.

D. ISOLATION OF STOOL DNA AND STOOL RNA FROM PRESERVED STOOL SAMPLES

The use of Norgen's Stool DNA Isolation Kit (Cat# 27600) is recommended for the fast and simple isolation of genomic DNA from preserved samples. The use of Norgen's Stool Total RNA Purification Kit (Cat# 49500) is recommended for the fast and simple isolation of total RNA from preserved samples. In both kits, the purification is based on spin-column chromatography, and the purified DNA and RNA is of the highest quality and can be used in a number of downstream applications including PCR, NGS and microarray analysis.

Related Products	Product #
Shipping Accessories - 50 Mailers	38300
Stool DNA Isolation Kit	27600
Stool Total RNA Purification Kit	49400, 49500
Stool Nucleic Acid Isolation Kit	45600
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) or through email at techsupport@norgenbiotek.com.

3430 Schmon Parkway, Thorold, ON Canada L2V 4Y6
Phone: (905) 227-8848
Fax: (905) 227-1061
Toll Free in North America: 1-866-667-4362