

# SYNCstore™ STM

## Fecal Collection Tube

*For molecular testing use only*

### Indications for use

The Geneaid Fecal Collection Tube containing SYNCstore™ STM medium is intended for the collection and preservation of stool nucleic acid including viral and bacterial DNA/RNA. SYNCstore™ STM is intended for molecular testing.

### Sample

0.5-1 g of stool specimens

### Functions

Virus/bacteria killing  
DNA/RNA stabilization  
Room temperature transport and long term storage

### Introduction

The SYNCstore™ STM Fecal Collection Tubes are specifically designed for the quick preservation of nucleic acids from fresh stool samples. These tubes contain SYNCstore™ STM medium. To use, simply collect the stool into the tubes and gently mix until the stool is fully submerged in the medium. This SYNCstore™ STM effectively inhibits the growth of both Gram-negative and Gram-positive bacteria, as well as fungi, while also inactivating viruses, ensuring that the resulting non-infectious samples can be safely handled and transported. Moreover, the preservative eliminates the need for immediate processing or freezing, allowing samples to be sent to centralized testing facilities at ambient temperatures. To enhance RNA stability in the preservative, it is recommended to store samples at -20°C or -70°C upon arrival at testing facilities until RNA purification.

### Kit Contents

|                |             |
|----------------|-------------|
| Product name   | SS4500      |
| SYNCstore™ STM | 4.5 ml x 48 |

### Safety Measures

SYNCstore™ STM contains Guanidine salts can form highly reactive compounds and release cyanide gas when combined with bleach (sodium hypochlorite). If the split SYNCstore™ STM medium containing potentially infectious agents, clean the affected area first with laboratory detergent and water, and then with 1% (v/v) sodium hypochlorite. During the procedure, always wear a lab coat, disposable gloves, and protective goggles.

### Stool sample preservation in SYNCstore™ STM Protocol

#### Procedure

1. Ensure that the stool sample does not come into contact with urine.
2. Place plastic wrap under the toilet seat and pass the stool directly onto it.
3. Using the spoon attached to the cap, collect stool samples and transfer the stool into the tube.  
**Note:** During the procedure, please take care to avoid any contact with the preservative. If the preservative comes into contact with the skin, rinse immediately with plenty of water.
4. Securely tighten the cap and gently shake the tube until the stool is fully mixed with the preservative.
5. Submit the specimen to the laboratory by shipping it at room temperature.
6. Nucleic acids can be purified using Geneaid Presto™ Stool DNA Extraction Kit or other related nucleic acid extraction kits.