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DATA SHEET

Version: 03
Revision date: 23/05/2023

1. Identification

Product name **Stool DNA Collection & Stabilization Kit**

Cat. No **SC0010**
Cat. No **SC0012**
SC0016

2. Description

The Stool DNA collection & stabilization kit is an all-in-one solution for hassle-free stool sampling in microbiome, metagenomics and infectious-disease projects. Each screw-cap tube is pre-filled with 8 mL of proprietary DNA Shield-like stabilization buffer that immediately inactivates nucleases and halts microbial growth, preserving native community structure. It maintains DNA integrity for ≥3 months at 15-25 ˚C and indefinitely at −20 ˚C or −80 ˚C. This products allows safe, odor-free transport by regular mail—no dry ice required—cutting shipping costs up to 70 %.

The ergonomic sampling spoon built into the cap enables self-collection in < 2 min, while the wide-mouth design prevents spills. Tubes are 100 % compatible with Canvax HigherPurity™ Stool DNA Isolation Kit and with common column- and/or magnetic-bead workflows. Variant SC0016 bundles the disposable Stool Catcher sheets to simplify at-home sampling.

3. Composition

Item	Quantity (Units)		
	SC0010	SC0012	SC0016
Stool Collection & stabilization Tubes	10*	100*	100*
Stool Catcher			100

* Stool Collection & stabilization Tubes Pre-filled with 8ml of DNA Stabilization Buffer.

4. Kit Storage

Store at room temperature, if there are any precipitates within the provided solutions solve these precipitates by warming carefully (up to 30˚C). The functionality of the buffer is not influenced by the precipitates.

5. Advantages

- ✓ Easily self-collect.
- ✓ Ship stool samples at room temperature safely.
- ✓ No need to immediately process samples.
- ✓ The stabilized samples can be stored various months at room temperatures and indefinitely at -20°C or -80°C.
- ✓ Allows bacteria prelysis with very efficient and rapid isolation of high-quality DNA from stool sample.
- ✓ For extraction, several different methods can be used, the use of our **HigherPurity™ Stool DNA Isolation Kit** is recommended.
- ✓ Eliminates odour during processing.

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6. Purification

Use the **HigherPurity™ Stool DNA Isolation Kit** which is based on a spin-column protocol for DNA purification.
For purification just transfer 1ml of the stabilized stool sample (Stool DNA Stabilizer with stool specimen) into a new 2.0 ml bead tube and follow the protocol provided within the **HigherPurity™ Stool DNA Isolation kit.**

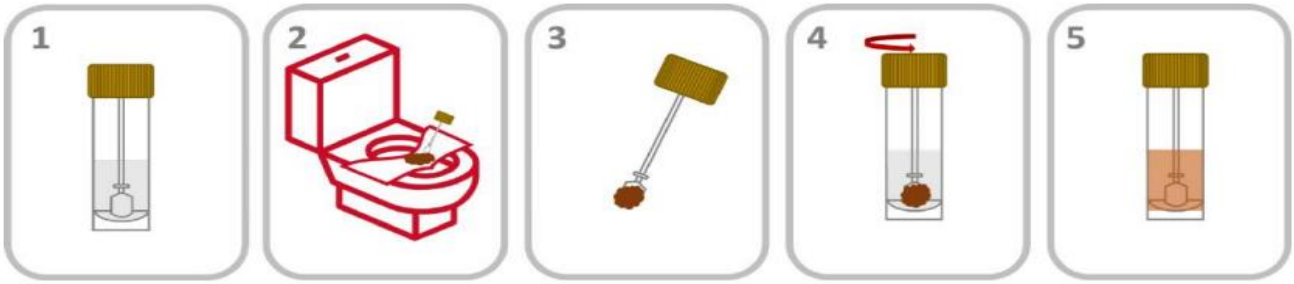
7. Safety precautions

Do NOT remove DNA Stabilizer reagent from the tube.
Do NOT ingest the contents of the tube.
Wash with water if DNA Stabilizer reagent comes in contact with skin or eyes.

8. Further information

Product Use Limitations	This product is developed, designed, and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.
Safety Information	When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate material safety data sheets (MSDS). These are available online in convenient and compact PDF format at www.canvaxbiotech.com where you can find, view, and print the MSDS for each CANVAX kit.

INSTRUCTIONS



✓ Use the spatula to collect a small amount of faecal sample **(1g approximately).**

✓ Transfer the faecal sample into the tube.

✓ Once the stool sample has been added the cap should be placed tightly back onto the tube.

✓ Shake the tube vigorously to mix (using a vortex if necessary), the faecal sample will be homogenised with the DNA stabilization buffer in the tube. Store or ship the stool sample at ambient temperature. Freezing at –20˚C or –80˚C is recommended for long-term storage (> 6 months).