DNA/RNA Shield[™] Fecal Collection Tube Catalog No. R1101

Quick Protocol

Description

The DNA/RNA Shield[™] Fecal Collection Tube ensures sample stability during storage/transport at ambient temperatures without the need for refrigeration or specialized equipment. DNA/RNA Shield[™] reagent effectively lyses samples and inactivates pathogens (e.g., virus, bacteria).

Each collection tube (with a spoon attached to the cap) is pre-filled with DNA/RNA Shield^{\mathbb{M}} (9 mL). The nucleic acids (DNA & RNA) in samples are preserved at ambient temperature (DNA >1 year, RNA up to 1 month). Samples in the DNA/RNA Shield^{\mathbb{M}} can be frozen (-20/-80°C) for prolonged storage.

Required Fecal Collection Accessories (Not included)

- 1. Fecal specimen collector set (e.g., hat-style specimen collector)
- 2. Labels for identification of samples
- 3. Appropriate waste container/biological waste container

Instructions

1. Prepare and collect fecal specimen using preferred fecal specimen collection set/kit.

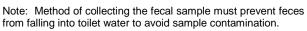


Don't let the sample go into the toilet



Collect stool into a clean container

Scoop a portion of the stool sample into the DNA/RNA Shield[™] Fecal Collection Tube



- 2. Unscrew the collection tube cap and use the spoon to scoop **one spoonful** of feces (approximately 1 gram or 1 mL in volume) from a sample.
- 3. Place the sample in the collection tube.
- 4. Tighten the cap and shake to mix the contents thoroughly (invert 10 times) to create a suspension.

Note: Some fecal material may be difficult to re-suspend. As long as the material is suspended, the sample is stabilized. foaming/frothing during shaking is normal.

5. Dispose of unused fecal material and thoroughly wash hands according to your institution's guidelines.

Sample Purification

Samples in DNA/RNA Shield[™] can be input directly into Zymo Research's (and others) nucleic acid purification kits.



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Wash hands well

DNA/RNA Shield[™]

Sample collection & preservation – Pathogen inactivation – Direct purification

Available formats



DNA/RNA Shield[™] Product	Ordering	Description
DNA/RNA Shield [™] Reagent	R1100-50 R1100-250	All-purpose reagent for sample lysis and stabilization of DNA/RNA in tissues (e.g., mammalian biopsy, whole insect), cells (animal, microbial) and biological liquids.
(2X concentrate)	R1200-25 R1200-125	Reagent concentrate (2X) for use with biological liquids at 1:1 ratio. (Note: (2X) concentrate can be diluted to (1X) solution with nuclease-free water.)
Lysis Tube (Microbe)	R1103 R1104 (w/ Swab)	2 mL collection tube (prefilled with 1 mL DNA/RNA Shield ^{M}) and Microbe Bashing Beads for the collection and homogenization of microbial samples.
Lysis Tube (Tissue)	R1105	2 mL collection tube (prefilled with 1 mL DNA/RNA Shield ^{™)} and Tissue Bashing Beads for the collection and homogenization of tissue samples.
Collection Tube	R1102	2 mL collection tube (prefilled with 1 mL DNA/RNA Shield [™]) for collection of any sample.
Blood Collection Tube	R1150	16x100 mm evacuated blood tube (prefilled with 6 mL of DNA/RNA Shield [™]) for the direct collection of 3 mL whole-blood (human or animal).
Fecal Collection Tube	R1101	15 mL container (prefilled with 9 mL DNA/RNA Shield [™]) for the direct collection of up to 1 gram or 1 ml stool. Collection spoon is included in the container screwcap.
Collection Tube w/ Swab	R1106 (10 pk) R1107 (50 pk)	12 x 80 mm screwcap container filled with 1 mL DNA/RNA Shield $^{^{\rm M}}$ and a sterile swab for specimen collection.

