

# DNA/RNA Shield™ Fecal Collection Tube

Catalog No. R1101

## Quick Protocol



**ZYMO RESEARCH**

*The Beauty of Science is to Make Things Simple*

### 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™ (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™ 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.

Note: Method of collecting the fecal sample must prevent feces from falling into toilet water to avoid sample contamination.

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/fothing 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.



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



Wash hands well

# DNA/RNA Shield™

Sample collection & preservation – Pathogen inactivation – Direct purification

## Available formats



DNA/RNA Shield™ Product	Ordering	Description
<b>DNA/RNA Shield™ Reagent</b>  (2X concentrate)	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.
	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.)
<b>Lysis Tube (Microbe)</b>	R1103 R1104 (w/ Swab)	2 mL collection tube (prefilled with 1 mL DNA/RNA Shield™) and Microbe Bashing Beads for the collection and homogenization of microbial samples.
<b>Lysis Tube (Tissue)</b>	R1105	2 mL collection tube (prefilled with 1 mL DNA/RNA Shield™) and Tissue Bashing Beads for the collection and homogenization of tissue samples.
<b>Collection Tube</b>	R1102	2 mL collection tube (prefilled with 1 mL DNA/RNA Shield™) for collection of any sample.
<b>Blood Collection Tube</b>	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).
<b>Fecal Collection Tube</b>	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.
<b>Collection Tube w/ Swab</b>	R1106 (10 pk) R1107 (50 pk)	12 x 80 mm screwcap container filled with 1 mL DNA/RNA Shield™ and a sterile swab for specimen collection.