

DNA/RNA Shield™ Collection Tube w/ Swab

Catalog No. R1106 (1 mL fill;10 pack) & R1107 (1 mL fill;50 pack)

Catalog No. R1108 (2 mL fill;10 pack) & R1109 (2 mL fill;50 pack)



ZYMO RESEARCH

The Beauty of Science is to Make Things Simple

Quick Protocol

Description

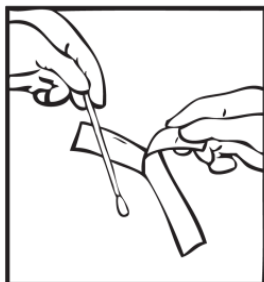
The DNA/RNA Shield™ Collection Tube ensures sample stability during storage/transport at ambient temperatures without a need for refrigeration or specialized equipment. DNA/RNA Shield™ reagent effectively inactivates pathogens (e.g., virus, bacteria) in samples collected with the provided swab.

Each collection tube is pre-filled with 1 mL (R1106, R1107) or 2mL (R1108, R1109) of DNA/RNA Shield™ and the nucleic acid content of samples is preserved at ambient temperature (DNA>1 year; RNA up to 1 month). Samples in DNA/RNA Shield™ can be frozen (-20/-80°C) for prolonged periods.

Instructions for use (see diagram below)

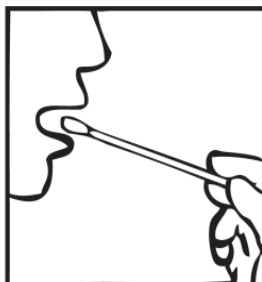
1. Open package containing swab and collection tube.
2. Peel open the swab package and remove swab.
3. Swab the sample. Common samples can include surfaces, feces, cheeks (buccal), etc.
4. Open the collection tube and insert swab tip into the solution.
5. Break the swab tip leaving the swab tip in the collection tube.
6. Cap and invert tube several times. The sample is stabilized and ready for transport/storage prior to purification of DNA and/or RNA.

Step 1



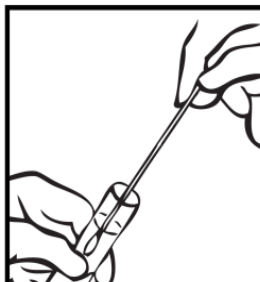
Remove swab from package

Step 2



Swab sample

Step 3



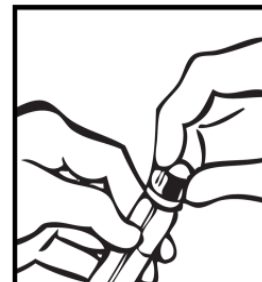
Place swab into tube

Step 4



Break off swab

Step 5



Cap tube containing sample

Warnings: DO NOT insert swab into DNA/RNA Shield™ solution before collecting a sample. DO NOT drink, touch or remove the DNA/RNA Shield™ solution from the collection tube. The DNA/RNA Shield solution can be harmful if ingested and may cause irritation if exposed to the skin and eyes. For specifics, consult product Safety Data Sheet (SDS).

Collection Tube & Swab

Mouth
Nose
Throat
Fluid
Fecal



Hydraflock swab
(80 mm Breakpoint)



Collection tube (12x80 mm)
1 ml reagent R1106/R1107 (10/50)
2 ml reagent R1108/R1109 (10/50)

Swab (flocked swab)
swab (only) C1052 (50)

Sample Purification

Samples in DNA/RNA Shield™ can be input directly into a variety of nucleic acid purification systems including the DNA and RNA isolation kits from Zymo Research. Please see Zymo Research's purification kits at www.zymoresearch.com

Recommended Nucleic Acid Purification Kits

Sample type	DNA	RNA	DNA & RNA
Biological fluids, Environmental samples, General specimen collection	Quick-DNA™ Plus (D4068)	Quick-RNA™ Plus (R1057)	Quick-DNA/RNA™ Plus Kits (D7003)
Cells, soft tissue, easy to lyse samples	Quick-DNA™ (D3024)	Quick-RNA™ (R1054)	Quick-DNA/RNA™ (D7001)
Microbiomic samples	ZymoBIOMICS™ DNA (D4300)	ZymoBIOMICS™ RNA (R2001)	ZymoBIOMICS™ DNA/RNA (R2002)
Viral samples	Quick-DNA™ Viral (D3015)	Quick-RNA™ Viral (R1034)	Quick-DNA/RNA™ Viral (D7020)