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)

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 2 mL (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, cheek (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.

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).
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

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