

QUICK PROTOCOL

DNA/RNA Shield DirectDetect™

Catalog Nos. R1400-E, R1401-1-E



DNA/RNA Shield DirectDetect™ reagent is a sample collection and transport medium that preserves DNA and RNA in biological samples at ambient temperature and allows for direct nucleic acid analysis by RT-PCR.

Highlights

Rapid, direct DNA/RNA analysis of biological samples. No inhibition in downstream RT-PCR.

Reduces sample viscosity to minimize pipetting errors on automated platforms.

Physical Specifications

Clear colorless liquid, filter sterilized (0.2 µm).

pH 6.0 - 8.0

Additional Required Equipment

Pipets and Pipette tips

Vortex mixer

PCR plates/tubes

PCR reagents (detection kits) Real-time PCR

instrument

Instructions for Use

1. Collect sample based on sample type below and mix (invert tube 5 times).
 - a. For swab samples: Submerge swab in the reagent after sample collection.
 - b. For saliva samples: Collect saliva into one volume reagent (1:1).
2. After the sample is collected, it can be transported/stored at ambient temperature for up to 1 week or frozen indefinitely.
3. Sample processing
 - a. Heat sample aliquot at 95 °C for 5 minutes (recommended).
 - b. Add reaction mix and proceed with RT-PCR.

Note: Sample input can make up to 50% reaction volume.

Available formats

R1400-E

bulk reagent

R1401-1-E

12x80 mm collection tube (1 ml fill), with swab

Warnings and Precautions

FOR EXTERNAL USE ONLY.

DO NOT drink, touch or remove the reagent from the vial.

The DNA/RNA Shield™ DirectDetect reagent can be harmful if ingested and may cause irritation if exposed to the skin and eyes.

Avoid any contact of the liquid contained in the tube with the eyes.

If swallowed: Do not induce vomiting; immediately call for medical help.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

If the contents of the tube are splashed in your eyes, immediately flush eyes with water. Notify your healthcare provider if irritation develops.

This product is intended for professional use or for use in POC.

DO NOT use if the product is visibly damaged.

For specifics, consult product Safety Data Sheet (SDS) by contacting Zymo Research Corporation directly.

Storage: 15 – 25 °C

Label Legend

  Collect sample by

  Catalog number



Manufacturer



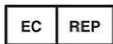
Storage instructions



Lot number



See instruction manual



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