

QUICK PROTOCOL



DNA/RNA Shield Direct Detect™

Catalog Nos. R1400, R1401-1

DNA/RNA Shield Direct Detect™ 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 bulk reagent

R1401-1 12x80mm collection tube (1 ml fill), with swab