

## Description

The kit is recommended for use with Dual Labelled Fluorescent Probes, e.g. TaqMan®, Molecular Beacons or FRET probes but can also be used without fluorescent probes in standard PCR assays. The kit contains an enzyme mixture including a genetically engineered reverse transcriptase and an antibody-inhibited Taq polymerase. The 2x conc. reaction mix contains ultrapure dNTPs and a unique buffer system optimized to resist various PCR inhibitors in unpurified sample material.

One.Step RT-qPCR for Probes is designed for quantitative real-time analysis of target RNA directly from whole blood, swabs and animal- or plant tissue without the requirement of any prior RNA purification steps

## Features

The RT-qPCR kit ensures fast and easy preparation with a minimum of pipetting steps and is highly recommended for:

- direct detection of RNA viral pathogens in various tissues
- direct amplification of target RNA from sample materials
- point-of-care Diagnostics

## Content

- Extraction Buffer: 10x concentrated
- Direct Enzyme: Mix of engineered reverse transcriptase, antibody-inhibited hot start polymerase and RNase inhibitor in storage buffer with 50 % glycerol (v/v)
- Direct Reaction Mix: 2x conc. buffer system containing dNTPs, enhancer and stabilizer
- PBS (phosphate buffered saline): 10x concentrated
- PCR-grade Water

## Shipping and storage

transportation with blue ice; storage @ -20°C for at least 16 months (stable @ +4°C up to 4 weeks), avoid frequent freeze/thaw cycles

## Order Information

Prod. No.	Description	Quantity
S91540	One.Step RT-qPCR Probe Kit	20 rcs x 50 µl
S91542	One.Step RT-qPCR Probe Kit	100rcs x 50 µl
S91544	One.Step RT-qPCR Probe Kit	1000rcs x 50 µl