PRODUCT INFORMATION

EffiStart™ 2X One-Step Probe RT-qPCR Master Mix

v. 230701

Catalog number

C15045-1ML

Set package

Cat.	Name	Amount
C15045-1ML	EffiStart™ 2X One-Step Probe RT-qPCR Master Mix	1 mL

Description

EffiStart™ 2X One-Step Probe RT-qPCR Master Mix is a one-step real-time reverse transcription-polymerase chain reaction (RT-qPCR) kit developed for cDNA synthesis and real-time PCR in the same tube. This product contains Hot Start Taq DNA Polymerase and is suitable for probe-based detection and formulated as a 2-fold premix. Reaction can be simply set up by adding the RNA template, primers, and probes. This master mix does not contain ROX reference dye; it offers great convenience and minimizes the risk of cross-contamination.

Form

Liquid

Stability & Storage

This product is stable after storage at:

- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

Avoid repeated freeze/thaw cycles

Application

Reverse transcription, RT-PCR, qPCR

Product Note

- Primer/Probe concentration

Final concentrations of 400 nM (each primer) are suitable for most reactions. To obtain optimal condition, primer concentration can be titrated between 0.2-1 μM. A final concentration of 200 nM (probe) is suitable for most reactions. To obtain optimal condition, probe concentration can be titrated between 0.1-0.3 μM.

- Annealing/Extension optimization

To obtain optimal condition, annealing/extension temperature can be adjusted between 55°C-65°C, annealing/extension time can be extended up to 60 sec.

- Target length

Appropriate amplicon length should be arranged between 80-200 bp.

For Research Use Only.