

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

**Catalog Number** LDG0033RF

**Package** 1 mL / Customized package

For full product information, images and publications, please visit [our website](#).



### Overview

#### 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.

#### 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  $\mu$ M.

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  $\mu$ M.

- 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.

### Specifications

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**Application**

Reverse transcription, RT-PCR, qPCR

**Form**

Liquid

**Instruction****Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

**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.

**Disclaimer :** For Research Use or Further Manufacturing Only.

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