

PRODUCT INFORMATION

**EffiStart™ 5X One-Step Probe RT-qPCR Master Mix
(Glycerol-Free)**

v. 230701

Catalog number	C15048-1ML		
Set package	Cat.	Name	Amount
	C15048-1ML	EffiStart™ 5X One-Step Probe RT-qPCR Master Mix (Glycerol-Free)	1 mL
Description	<p>EffiStart™ 5X One-Step Probe RT-qPCR Master Mix (Glycerol-Free) 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 5-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. This product is a glycerol-free formulation.</p>		
Form	Liquid		
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> -20°C or -80°C for 12 months under sterile conditions from date of receipt. <p>Avoid repeated freeze/thaw cycles</p>		
Application	Reverse transcription, RT-PCR, qPCR		
Product Note	<ul style="list-style-type: none"> Primer/Probe concentration <p>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.</p>		
	<ul style="list-style-type: none"> Annealing/Extension optimization <p>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.</p> <ul style="list-style-type: none"> Target length <p>Appropriate amplicon length should be arranged between 80-200 bp.</p>		

For Research Use Only.