

**EffiStart™ 2X Probe qPCR Master Mix**

v. 230701

<b>Catalog number</b>	C15042-1ML		
<b>Set package</b>	Cat.	Name	Amount
	C15042-1ML	EffiStart™ 2X Probe qPCR Master Mix	1 mL
<b>Description</b>	<p>EffiStart™ 2X Probe qPCR Master Mix is an optimized reaction mix for real-time polymerase chain reaction (qPCR) kit. 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 DNA template, primers, and probes. This master mix does not contain ROX reference dye; it offers great convenience and minimizes the risk of crosscontamination.</p>		
<b>Form</b>	Liquid		
<b>Stability &amp; Storage</b>	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> <li>-20°C or -80°C for 12 months under sterile conditions from date of receipt.</li> </ul> <p>Avoid repeated freeze/thaw cycles</p>		
<b>Application</b>	Reverse transcription, RT-PCR, qPCR		
<b>Product Note</b>	<ul style="list-style-type: none"> <li>Primer/Probe concentration</li> </ul> <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"> <li>Annealing/Extension optimization</li> </ul> <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"> <li>Target length</li> </ul> <p>Appropriate amplicon length should be arranged between 80-200 bp.</p>		

*For Research Use Only.*