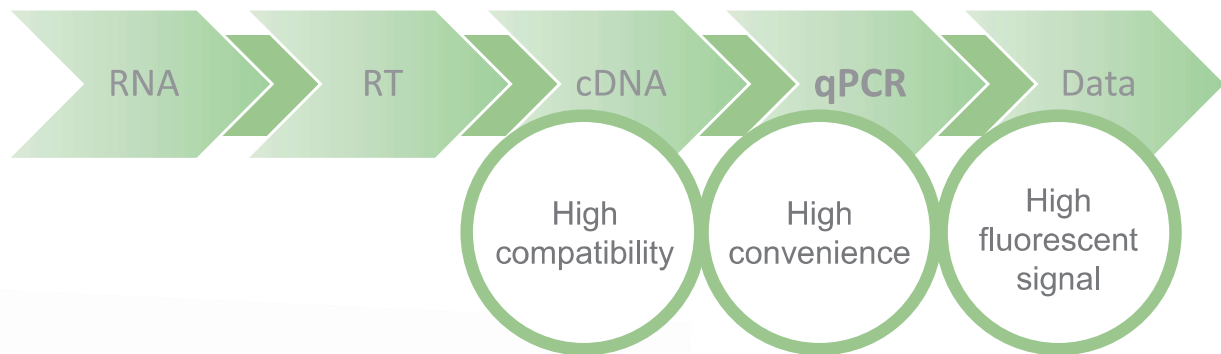


ExcelTaqTM

2X ~~Fast~~ Q-PCR Master Mix

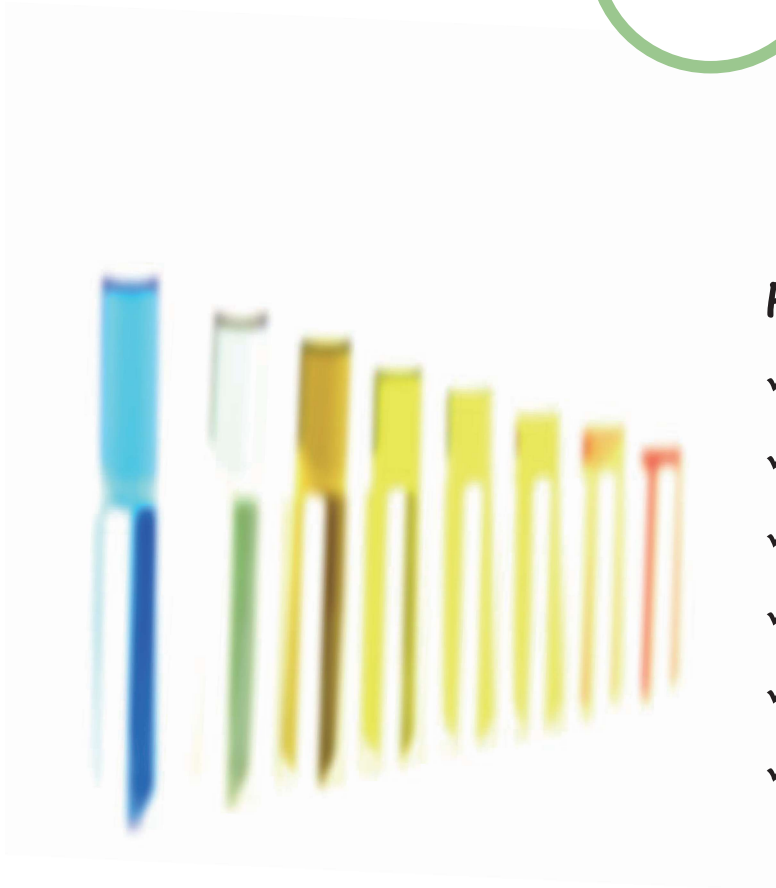
(SYBR, no ROX)

Cat. No. TQ1200



Features

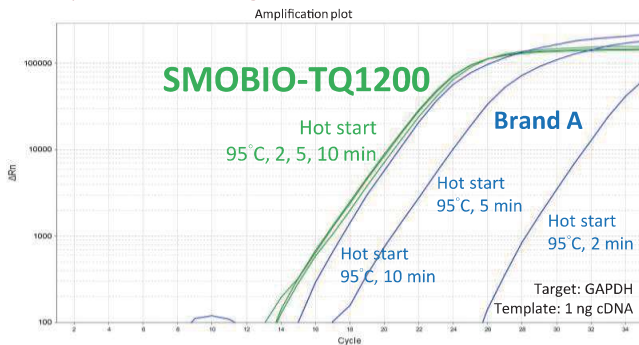
- ✓ Fast Hot Start
- ✓ High Sensitivity
- ✓ Low Background
- ✓ High Stability
- ✓ Suitable for Fast Program
- ✓ Smart Blue Contrast Dye



ExcelTaq™

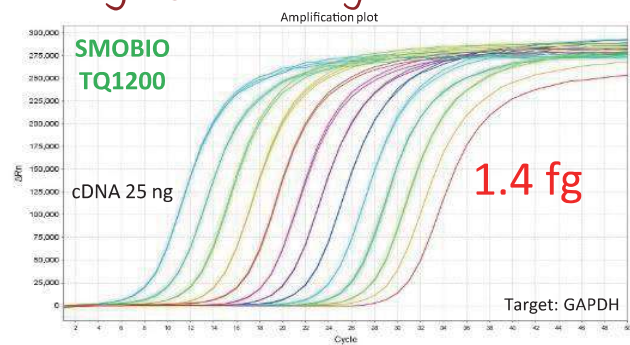
2X Fast Q-PCR Master Mix (SYBR, no ROX)

Fast Hot Start



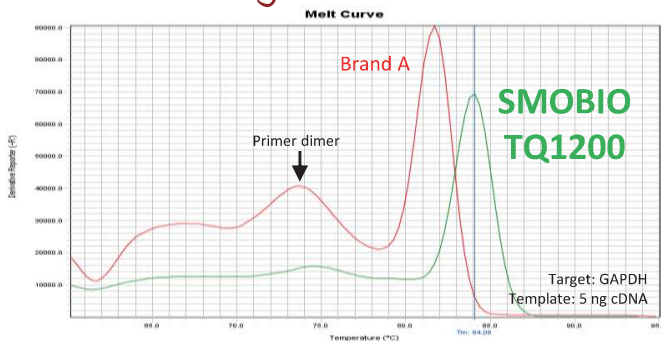
The overlapped amplification curves from different hot start duration display fast activation of TQ1200 ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, no ROX). The initial activation step was set as 2, 5, and 10 minutes. TQ1200 ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, no ROX) contains a special hot-start *Taq* polymerase that omits time-consuming initial activation step required by chemically modified hot start *Taq* polymerases (Brand A).

High Sensitivity



The amplification curves from different amounts of cDNA display high sensitivity of TQ1200 ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, no ROX). The sensitivity assay of TQ1200 ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, no ROX) was examined with serial diluted cDNA from 25 ng to 1.4 fg as templates. The equal intervals of amplification curves also displayed the high precision of TQ1200 in target quantification.

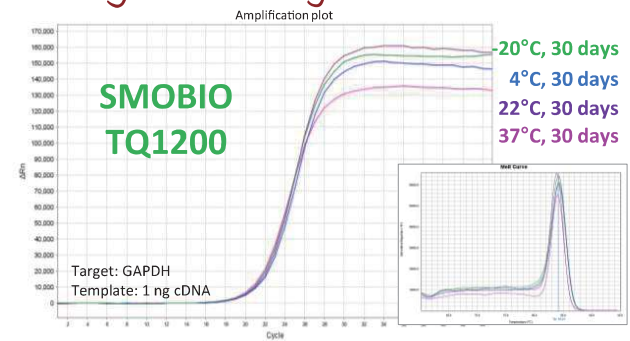
Low Background



The single peak of melting curve displays high specificity of TQ1200 ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, no ROX).

The post-amplification melting-curve analysis was examined with 5 ng cDNA as template, abnormally high concentration of primers (400 nM), and TQ1200 ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, no ROX) or qPCR master mix from brand A as reagents.

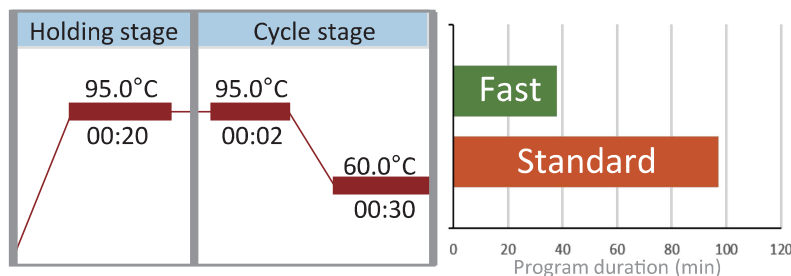
High Stability



The overlapped amplification curves and melting curves from different storage conditions display high stability of TQ1200 ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, no ROX).

Stability was analyzed via real-time PCR amplification with 1 ng cDNA as template, and TQ1200 ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, no ROX) stored at -20°C, 4°C, 22°C and 37°C for 30 days as reagents.

Suitable for Fast Program



Smart Blue Contrast Dye

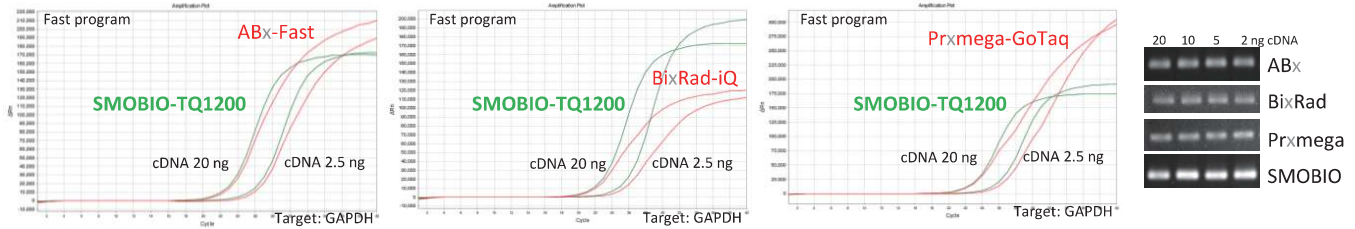


ExcelTaq™

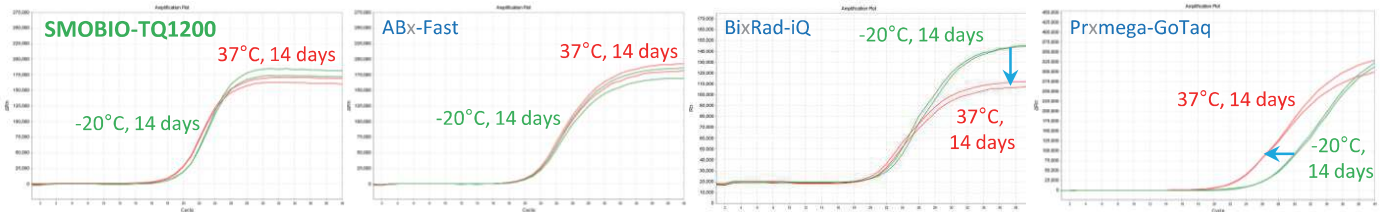
2X Fast Q-PCR Master Mix (SYBR, no ROX)

Competitor analysis

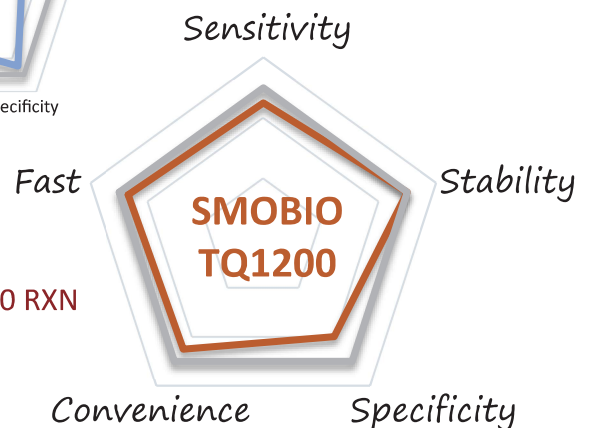
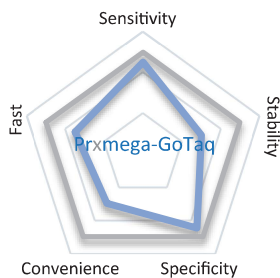
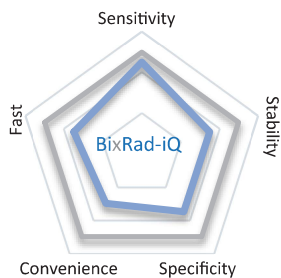
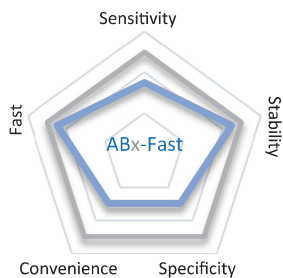
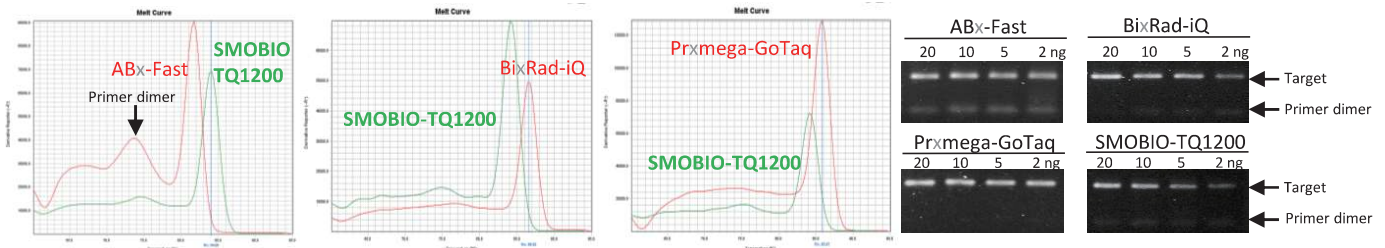
Amplification efficiency using fast program



Stability at 37°C for 14 days



Amplification specificity



Ordering information

ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, no ROX), 200 RXN
 Cat. No. TQ1200

Contents

Component	Volume
ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, no ROX)	2 x 1 ml