

SYBR® Green master mixes on the Roche LightCycler® 480 Real-Time PCR System

Enhanced speed, real-time performance

Searching for a high-performing SYBR® Green master mix for your Roche LightCycler® 480 Real-Time PCR System? Look no further. Applied Biosystems® SYBR® Green master mixes from Life Technologies offer robust performance on the LightCycler® 480 system. *Power SYBR® Green PCR Master Mix* enables highly sensitive DNA, cDNA, and RNA quantitation. *Fast SYBR® Green Master Mix* offers enhanced PCR speed without compromising real-time performance.

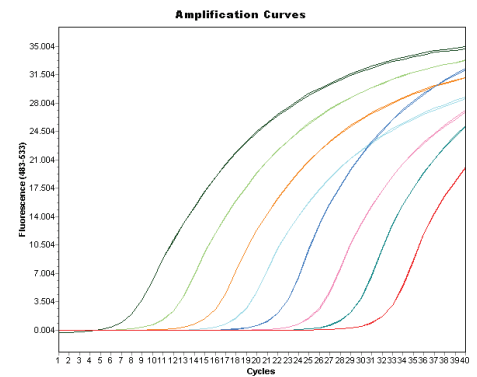


Figure 1. *Power SYBR® Green PCR Master Mix* performance on the LightCycler® 480 Real-Time PCR System. Amplification curves for a 7-log dilution series of the 18S target. For the standard curve derived from this plot, $R^2 > 0.999$.

***Power SYBR® Green PCR Master Mix* benefits:**

- High sensitivity—limit of detection as low as 2 copies of target
- High reproducibility—extensive manufacturing controls minimize variation between kits, enabling reliable results with every experiment
- High specificity—optimized formulation minimizes primer-dimer formation and nonspecific amplification

***Fast SYBR® Green Master Mix* benefits:**

- Speed without compromise—quantitative PCR results in typically less than 1 hour
- Sensitivity—detects low copy number of target
- Dynamic range—successful and reproducible amplification across a wide range of target concentrations

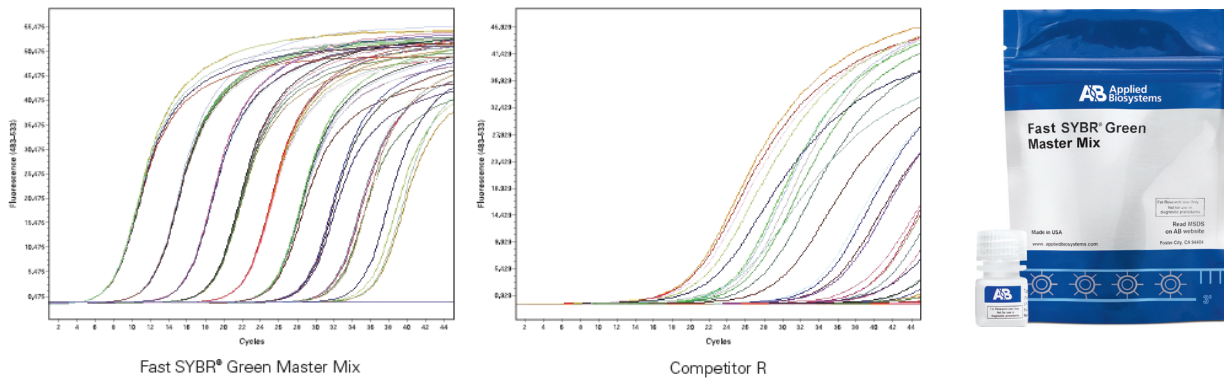


Figure 2. Fast SYBR® Green Master Mix performance on the LightCycler® 480 Real-Time PCR System. Across an 8-log dilution series of plasmid, Fast SYBR® Green Master Mix demonstrates superior dynamic range and linearity compared to competitor R. Fast SYBR® Master Mix is designed for use with primers with melting temperatures $\geq 60^{\circ}\text{C}$.

Ordering information

Product	Quantity	Cat. No.
Power SYBR® Green PCR Master Mix*		
Mini-Pack	1 x 1 mL tube (40 rxns)	4368577
1-Pack	1 x 5 mL tube (200 rxns)	4367659
2-Pack	2 x 5 mL tube (400 rxns)	4368706
5-Pack	5 x 5 mL tube (1,000 rxns)	4368702
10-Pack	10 x 5 mL tube (2,000 rxns)	4368708
Bulk Pack	1 x 50 mL tube (2,000 rxns)	4367660
Fast SYBR® Green Master Mix**		
Mini-Pack	1 x 1 mL tube (100 rxns)	4385610
1-Pack	1 x 5 mL tube (500 rxns)	4385612
2-Pack	2 x 5 mL tube (1,000 rxns)	4385616
5-Pack	5 x 5 mL tube (2,500 rxns)	4385617
10-Pack	10 x 5 mL tube (5,000 rxns)	4385618
Bulk Pack	1 x 50 mL tube (5,000 rxns)	4385614

*For 50 μL reaction volume.

**For 20 μL reaction volume.

Protocols for using *Power SYBR® Green* and *Fast SYBR® Green Master Mixes* on the *LightCycler® 480 Real-Time PCR System* are now available for download.

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