

Introduction

Searching for a high performing SYBR® Green master mix for your Roche LightCycler® 480 Real-Time PCR System? Look no further. SYBR Green master mixes from Applied Biosystems 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.

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 non-specific amplification

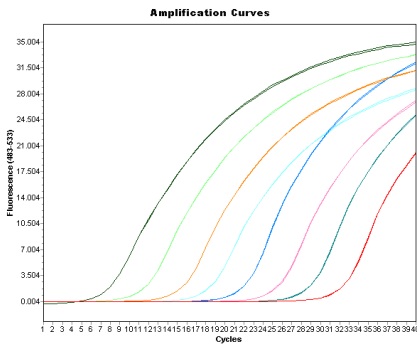


Figure 1. Applied Biosystems *Power SYBR® Green* PCR Master Mix performance on the LightCycler® 480 Real-Time PCR System. Amplification curves with a linear dynamic range ($R^2 > 0.999$) across a 7-log dilution series of the 18s target.

Fast SYBR Green Master Mix Benefits

- **Speed without compromise**—quantitative PCR results in less than 1 hour
- **Sensitivity**—detecting low copies of target
- **Dynamic range**—successful and reproducible amplification across a wide range of target concentration

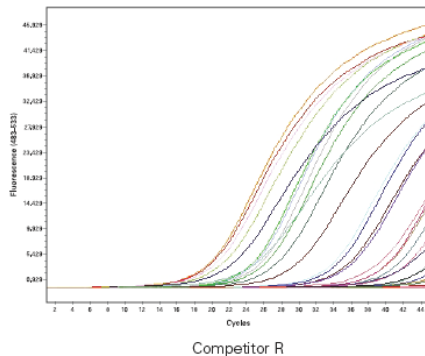
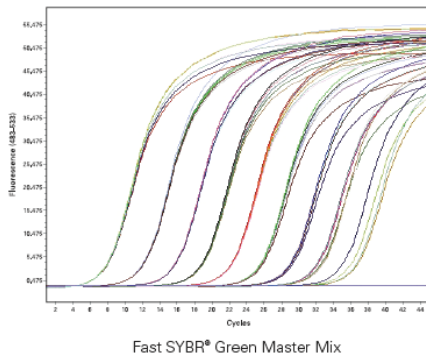


Figure 2. Applied Biosystems *Fast SYBR® Green* Master Mix on the LightCycler® 480 Real-Time PCR System. Across an 8-log dilution series of plasmid, *Fast SYBR Green* Master Mix demonstrates superior dynamic range and linearity vs. *Competitor R*.

Protocols for using Applied Biosystems *Power SYBR*[®] Green and *Fast SYBR*[®] Green Master Mixes on the LightCycler[®] 480 Real-Time System are now available for download!

www.appliedbiosystems.com/sybrmmx

ORDERING INFORMATION

Description	Contents	Part Number
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 (1000 rxns)	4368702
10-Pack	10 x 5 mL tube (2000 rxns)	4368708
Bulk pack	1 x 50 mL tube (2000 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 (1000 rxns)	4385616
5-Pack	5 x 5 mL tube (2500 rxns)	4385617
10-Pack	10 x 5 mL tube (5000 rxns)	4385618
Bulk pack	1 x 50 mL tube (5000 rxns)	4385614

[†]Based on 20 µL reaction volume.

[‡]Based on 50 µL reaction volume.

For safety and biohazard guidelines, refer to the "Safety" section in the *Power SYBR*[®] Green PCR Master Mix and RT-PCR Protocol (PN 4367218) or *Fast SYBR*[®] Green Master Mix Protocol (PN 4385372). Wear appropriate protective eyewear, clothing and gloves.

For Research Use Only. Not for use in diagnostic procedures.

NOTICE TO PURCHASER: Please refer to the *Power SYBR* Green PCR Master Mix and RT-PCR Protocol (PN 4367218) user's manual FOR LIMITED LABEL LICENSE OR DISCLAIMER INFORMATION.

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