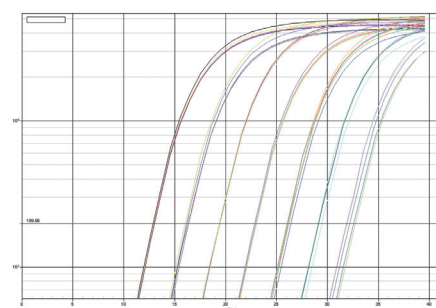


# Applied Biosystems® SYBR® Green Master Mixes on the Bio-Rad® iQ™ 5 Real-Time PCR Detection System

Searching for a high-performing SYBR® Green Master Mix for your Bio-Rad® iQ™ 5 Real-Time PCR Detection System? Look no further. Applied Biosystems® SYBR® Green Master Mixes from Life Technologies offer robust performance on the Bio-Rad® iQ™ 5 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.



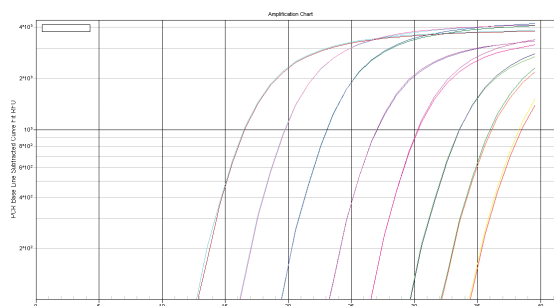
**Figure 1. *Power SYBR® Green PCR Master Mix* performance on the Bio-Rad® iQ™ 5 Real-Time PCR Detection System.** The amplification curves show a 6-log range of serial dilutions of plasmid down to 3 template copies per well, with  $R^2$  value of 0.998 and slope of  $-3.2$ .

## ***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 typically in less than 1 hour
- Sensitivity—detects low copies 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 Bio-Rad® iQ™5 Real-Time PCR Detection System.** The amplification curves show a 7-log range of serial dilutions of the plasmid target, with  $R^2$  value of 0.999 and slope of  $-3.51$ .

## Ordering information

Product	Quantity	Cat. No.
<b>Power SYBR® Green PCR Master Mix*</b>		
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
<b>Fast SYBR® Green Master Mix**</b>		
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

\*Based on 50 µL reaction volume.

\*\*Based on 20 µL reaction volume.

Protocols for using *Power SYBR® Green* and *Fast SYBR® Green* Master Mixes on the Bio-Rad® iQ™5 Real-Time PCR Detection System are now available for download.

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