qPCRBIO **SyGreen Mix**

- Sensitive
- Specific
- Fast

Features

- Non-PCR inhibiting intercalating dye, better signal
- Rapid extension rate for early Ct values
- Market leading sensitivity - increased limit of detection
- Compatible on all real-time PCR platforms - standard and fast cycling conditions
- Blue mix available for easy sample visualisation during pipetting

Applications

- Absolute quantification
- Relative gene expression analysis
- High throughput qPCR from genomic, cDNA and viral sequences
- Low copy number target genes

Further Applications

- Crude sample PCR
- Standard and fast PCR conditions
- Specific amplification from complex templates (eg GC/AT rich)
- Compatible with all real-time PCR instruments

PCR Biosystems use a proprietary intercalating dye that does not inhibit PCR, unlike other popular fluorescent dyes. Combined with advanced enzyme, hot start and reaction buffer technology we offer market-leading sensitivity and reproducibility.

qPCRBIO SyGreen Mix can be used to quantify any DNA template including genomic, cDNA and viral sequences. Extremely low copy number targets can be detected specifically and with high efficiency. Antibody-mediated hot start technology prevents the formation of primer dimers and non-specific products leading to improved reaction sensitivity and specificity. Combining the latest developments in polymerase technology and advanced buffer chemistry we offer market-leading performance with minimal or no optimisation.

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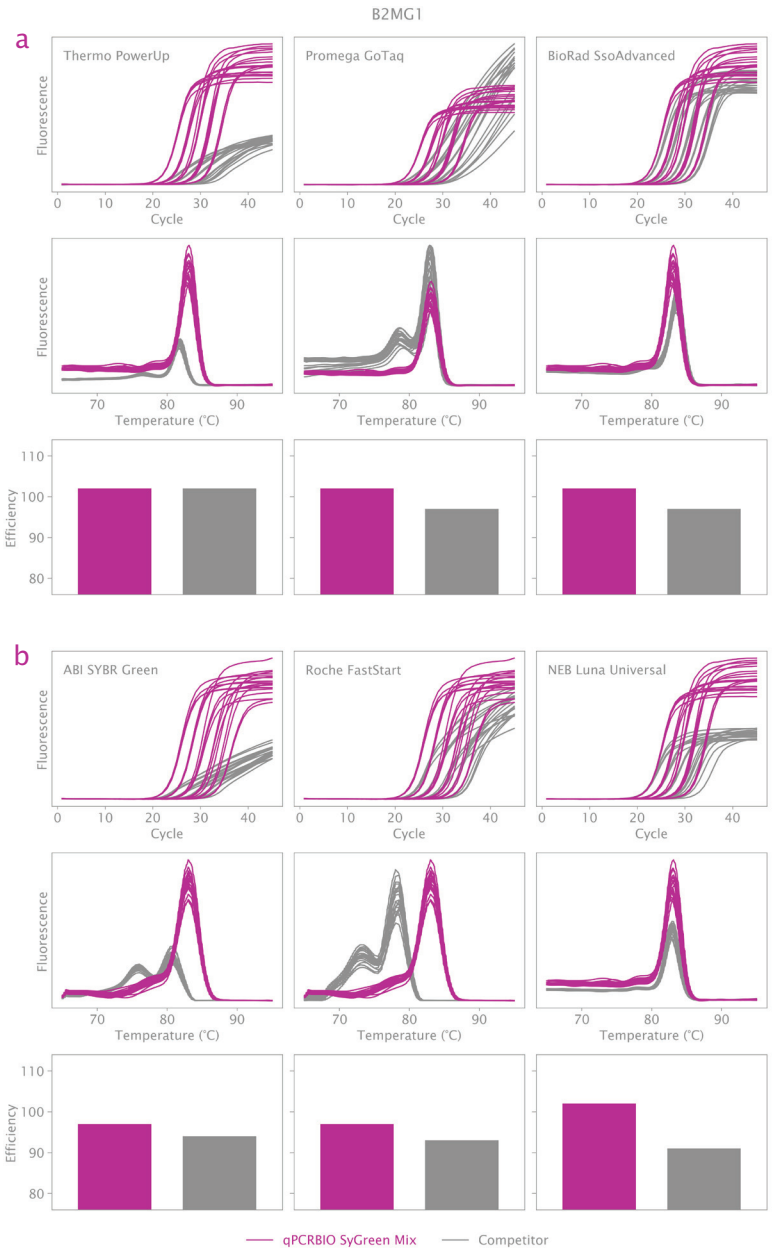

Figure 1.

Amplification of Beta-2 Microglobulin using qPCRBIO SyGreen Mix (purple curves). Amplification curves are shown in the top panel of set a and set b, melt curves are shown in the middle panel and the efficiencies of amplification are shown in the bottom panel.

A direct, on-plate comparison was performed with the competitors identified in the top panel of each set (grey curves). 5 serial dilutions of mouse cDNA template were used in a total reaction volume of 10µL. Cycling conditions were those recommended by each of the competitors.

qPCRBIO SyGreen Mix displays earlier Ct, cleaner melt peaks and better efficiency compared to each of the competitor mixes.

Catalogue Number	Product Name	Pack Size	Presentation
PB20.11-01	qPCRBIO SyGreen Mix Lo-ROX	100 x 20µL rxns	1 x 1mL
PB20.11-05		500 x 20µL rxns	5 x 1mL
PB20.11-20		2000 x 20µL rxns	20 x 1mL
PB20.11-50		5000 x 20µL rxns	1 x 50mL
PB20.11-51		5000 x 20µL rxns	50 x 1mL
PB20.12-01	qPCRBIO SyGreen Mix Hi-ROX	100 x 20µL rxns	1 x 1mL
PB20.12-05		500 x 20µL rxns	5 x 1mL
PB20.12-20		2000 x 20µL rxns	20 x 1mL
PB20.12-50		5000 x 20µL rxns	1 x 50mL
PB20.12-51		5000 x 20µL rxns	50 x 1mL
PB20.13-01	qPCRBIO SyGreen Mix with Fluorescein	100 x 20µL rxns	1 x 1mL
PB20.13-05		500 x 20µL rxns	5 x 1mL
PB20.13-20		2000 x 20µL rxns	20 x 1mL
PB20.14-01	qPCRBIO SyGreen Mix Separate-ROX	100 x 20µL rxns	[1 x 1mL mix] & [1 x 200µL ROX]
PB20.14-05		500 x 20µL rxns	[5 x 1mL mix] & [1 x 200µL ROX]
PB20.14-20		2000 x 20µL rxns	[20 x 1mL mix] & [4 x 200µL ROX]
PB20.14-50		5000 x 20µL rxns	[1 x 50mL mix] & [2 x 520µL ROX]
PB20.14-51		5000 x 20µL rxns	[50 x 1mL mix] & [2 x 520µL ROX]

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