qPCRBIO **SyGreen Blue Mix**

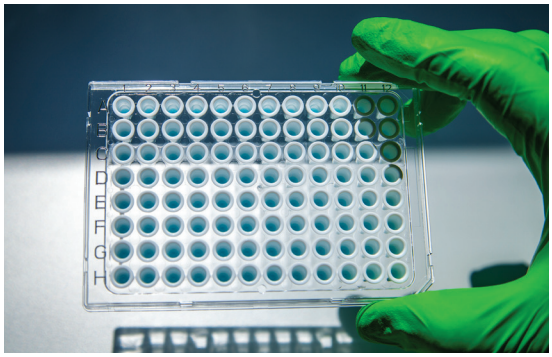
- Easy sample visualisation
- Superior low copy number detection
- Standard and fast cycling

Features

- Non-reactive blue dye for easy visualisation during pipetting
- Non-PCR inhibiting intercalating dye
- 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

Applications

- Absolute quantification
- Relative gene expression analysis
- High-throughput qPCR from genomic, cDNA and viral sequences
- Low copy number target genes
- Specific amplification from complex templates (eg GC/AT rich)
- Crude sample PCR



qPCRBIO SyGreen Blue Mix uses a non-reactive blue dye for easy sample visualisation during reaction setup. Together with advanced enzyme, hot start and reaction buffer technology, we offer market-leading sensitivity and reproducibility with enhanced pipetting accuracy.

qPCRBIO SyGreen Blue 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.

The mix contains a proprietary intercalating dye that does not inhibit PCR, unlike other popular fluorescent dyes. 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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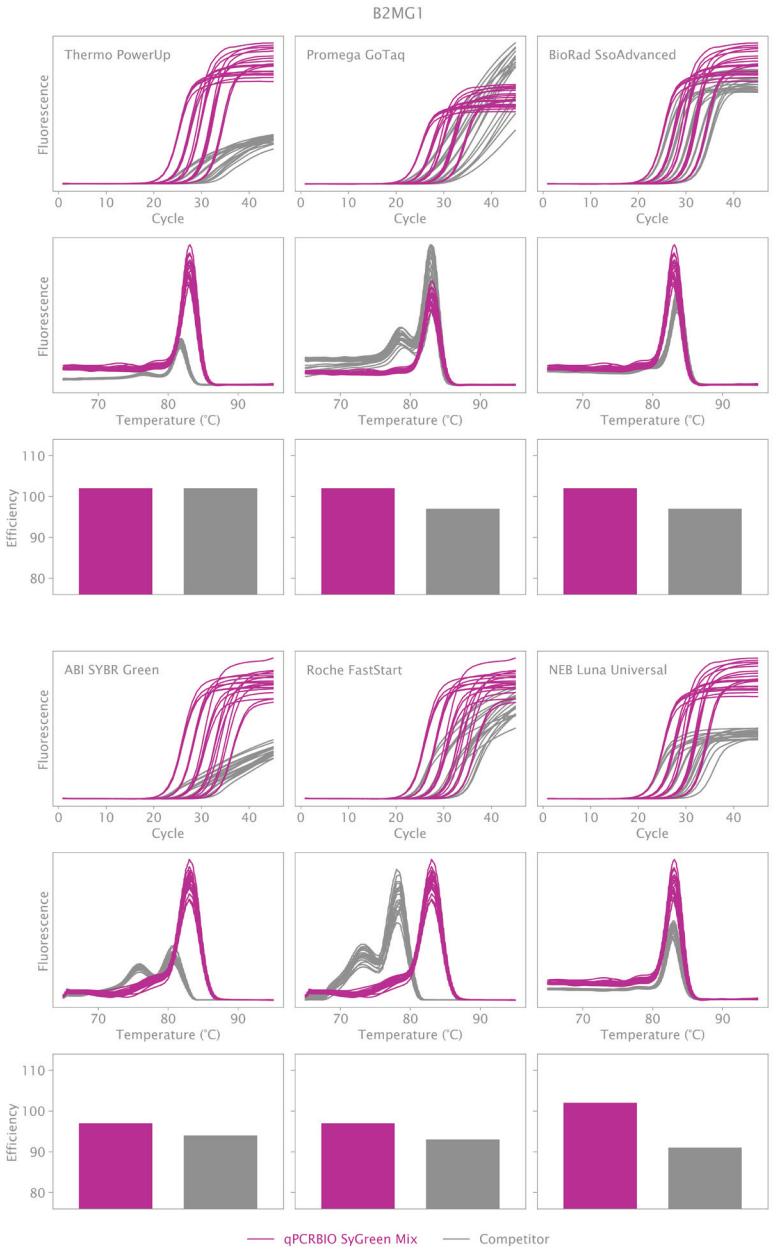

Figure 1.

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
PB20.15-01	qPCRBIO SyGreen Blue Mix Lo-ROX	100 x 20µL rxns	1 x 1mL
PB20.15-05		500 x 20µL rxns	5 x 1mL
PB20.15-20		2000 x 20µL rxns	20 x 1mL
PB20.15-50		5000 x 20µL rxns	1 x 50mL
PB20.15-51		5000 x 20µL rxns	50 x 1mL
PB20.16-01	qPCRBIO SyGreen Blue Mix Hi-ROX	100 x 20µL rxns	1 x 1mL
PB20.16-05		500 x 20µL rxns	5 x 1mL
PB20.16-20		2000 x 20µL rxns	20 x 1mL
PB20.16-50		5000 x 20µL rxns	1 x 50mL
PB20.16-51		5000 x 20µL rxns	50 x 1mL
PB20.17-01	qPCRBIO SyGreen Blue Mix Separate-ROX	100 x 20µL rxns	[1 x 1mL mix] & [1 x 200µL ROX]
PB20.17-05		500 x 20µL rxns	[5 x 1mL mix] & [1 x 200µL ROX]
PB20.17-20		2000 x 20µL rxns	[20 x 1mL mix] & [4 x 200µL ROX]
PB20.17-50		5000 x 20µL rxns	[1 x 50mL mix] & [2 x 520µL ROX]
PB20.17-51		5000 x 20µL rxns	[50 x 1mL mix] & [2 x 520µL ROX]

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