AppGreen

High ROX Mix (2X)

Fast and Sensitive qPCR

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Your Perfect Partner for Fast and Sensitive qPCR

AppGreen High ROX Mix (2X) is a high performance qPCR reagent which has been optimised for fast, specific and sensitive quantitative PCR. It has pre-added and optimised $MgCl_2$ and dNTPs for highly reproducible qPCR. It contains a hot start polymerase which has been specifically engineered for highly specific qPCR and works in fast or standard thermal cycling conditions. It also contains a proprietary intercalating dye which does not interfere with or inhibit qPCR. It has been validated on various qPCR instruments - for a full list of compatible instruments see:

www.appletonwoods.co.uk/qPCRselectionguide.png

Main Features

- For fast, specific and sensitive qPCR
- Robust detection of low-copy number templates with rapid extension times (low CT values)
- Pre-optimised ready-mix for detection across a broad range of templates
- Highly specific detection using a fast-activating, hot-start polymerase under fast cycling conditions (shorter runs)
- Compatible with the majority of real-time thermal cyclers (see qPCR selection chart)
- Suitable sample types: complex templates and crude samples

Ordering Information

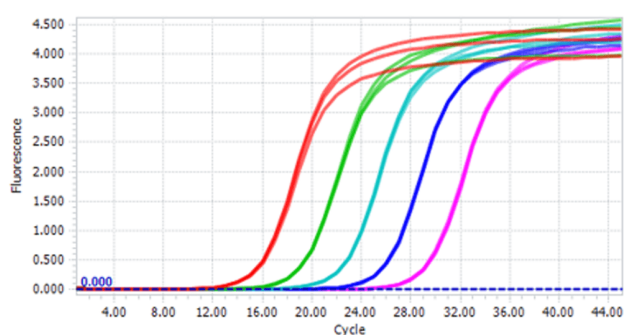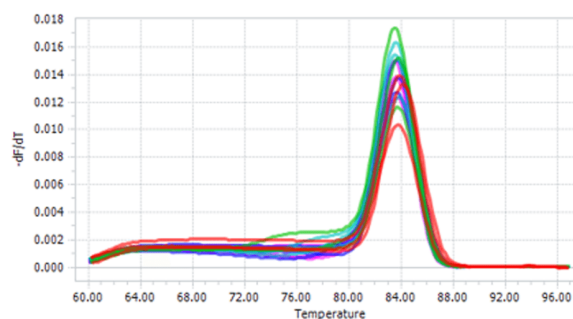| Description	Product Code	Pack Size
AppGreen High ROX Mix (2X)	ARP202	200 reactions (2x 1mL)
AppGreen High ROX Mix (2X)	ARP203	500 reactions (5x 1mL)
AppGreen High ROX Mix (2X)	ARP205	5000 reactions (50x 1mL)

Figure 1a

Figure 1b

Figure 1a & 1b : qPCR amplification curves (1a) and corresponding melt curves (1b) of the demo template and kit from a Roche Lightcycler 96 using AppGreen Low/ High ROX Mix (2X).
The amplification curves are of the demo template and four 10x serial dilutions. The equal spacing in Figure 1a demonstrates close to 100% amplification efficiency. The overlapping melt curves demonstrate that the same product was produced from each template dilution. AppGreen Low/High ROX Mix can deliver reliable and reproducible qPCR data for any template type.