User Manual
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All-in-One™ qPCR mix and validated primers

All-in-One™ SYBR® Green qPCR mix with validated primers provide universal qPCR reaction conditions and robust quantitative PCR data. The jointly developed and co-optimized All-in-One qPCR mix and gene-specific primers deliver the entire range of advantages you need without the high costs.

- Uniform reaction conditions reduce experimental design
- High amplification efficiency and sensitivity even for low- copy genes
- Absence of non-specific amplification* and no primer-dimers*

All-in-One qPCR validated primers get the job done by delivering reliable and reproducible high performance in quantitative PCR assays. See the GeneCopoeia website for validation data and to search for gene-specific primers.

*Non-specific amplification and absence of primer-dimers are ensured when All-in-One validated PCR primers and PCR mix are used together.

Product	Catalog Number	Contents
All-in-One™ qPCR Mix (20 µl x 200 qPCR reactions)	AOPR-0200	High-fidelity, hot-start DNA polymerase, optimized reaction buffer and dNTPs
All-in-One™ qPCR Mix (20 µl x 600 qPCR reactions)	AOPR-0600	High-fidelity, hot-start DNA polymerase, optimized reaction buffer and dNTPs

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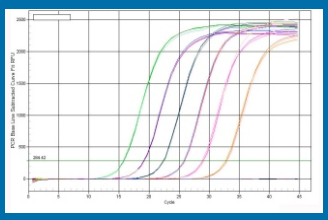
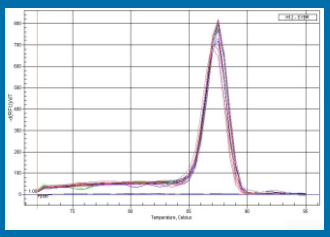
customerservice@lifetechindia.com

Amplification curves



Melting curves



Standard curve

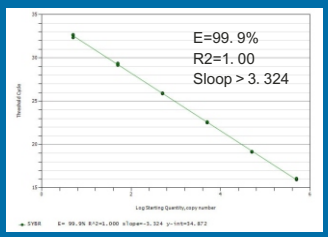


Figure 2. The amplification efficiency and detection sensitivity of the All-in-One qPCR Mix are assessed by standard curves made by gradient dilution of plasmid DNA from 5 × 10^6 to 5 molecules. The peak values from amplification and melting curves show that very high sensitivity can be obtained using All-in-One qPCR Mix which can detect as low as 5 molecules. At the same time, high amplification efficiency has also been shown by a good linear relationship among each concentration.

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