

2X qPCR Probe MasterMix

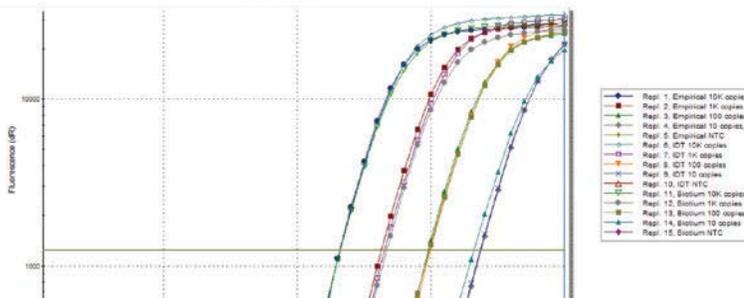
Enzymes and Reagents

PCR | qPCR | RT | Kits | Oligonucleotides

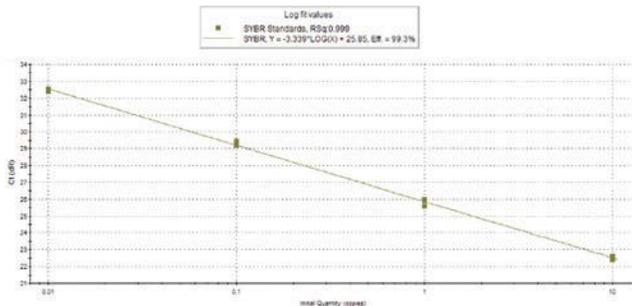
Performance

Empirical Bioscience's qPCR Probe MasterMix is a 2x ready-to-use master mix for quantitative real-time evaluation of DNA using fluorescent probe based detection. Empirical's qPCR Probe MasterMix contains FlashTaq HotStart DNA Polymerase; a chemically modified Taq DNA polymerase that remains completely inactive at room temperature. The enzyme becomes activated after only 2 minutes at 95°C. Empirical's qPCR Probe MasterMix includes dNTPs, MgCl₂, and optimized buffer for fast, efficient qPCR. Empirical's qPCR Probe MasterMix has been optimized for use with hydrolysis based probes such as TaqMan, but is also suitable with other probe based detection systems.

Amplification Plots



Standard Curve



Empirical's Probe MasterMix is sensitive: Empirical's Probe MasterMix was used in qPCR with decreasing copies of Human Genomic DNA and a dual-dye hydrolysis primer probe to form a standard curve. Amplification plots were compared to the probe mixes of IDT and Biotium.

Features

Applications:

- Probe-based quantitative PCR

Ambient Stable Formulations

- Ambient stable formulation with storage of 30 days at ambient, 60 days at 4°C temperatures

Robust and Sensitive

- Amplify down to 10 copies of HgDNA
- Compatible with most primer probe systems
- Low foam formula ideal for automation
- Optimized 2X MasterMix so only primer/probe and template DNA need to be added

Ordering Information:

Item Number	20µL Reactions	10µL Reactions
QP-MM-100	100	200
QP-MM-500	500	1000
QP-MM-1000	1000	2000
QP-MM-2500	2500	5000

Related Products

- Reverse Transcriptase cDNA synthesis kit



TO ORDER, REQUEST SAMPLES OR FOR MORE INFORMATION, CONTACT:
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