

4X InhibiTAQ PLUS HotStart qPCR MasterMix



Enzymes and Reagents

PCR | qPCR | RT | Kits | Oligonucleotides

Performance

Empirical's InhibiTAQ PLUS MasterMix is a 4X concentrated qPCR MasterMix containing Empirical's proprietary HotStart Taq DNA Polymerase and Buffer System which has been developed specifically to permit robust qPCR performance in the presence of substances found in a wide range of samples that normally inhibit PCR amplification of DNA.

The MasterMix also contains dUTP and UDG to reduce the risk of carryover contamination.

The MasterMix has been developed to provide increased confidence when working with complex clinical and environmental samples.

InhibiTAQ PLUS has been shown to be fully functional in samples containing inhibitor levels shown in the table below.

Inhibitor	Concentration
Bile Salt	1.1 ug/uL
Calcium Phosphate	1.7 mM
Collagen	87.5 ng/uL
Urea	3.5 ug/uL
Hematin	87.5 ng/uL
Humic acid	5.0 ng/uL
Indigo	17.5 ug/uL
Melanin	44.0 ng/uL
Urban Dust	5.0 ng/uL

The enzyme and buffer system has been optimized to enable one-step RT-PCR and one-step RT-qPCR reactions and is compatible with Empirical's RTScript™ Reverse Transcriptase products.

Features

Easy-to-Use

- High tolerance for PCR inhibitors
- High Sensitivity
- 4X Concentration for lower reaction volumes
- Contains optimized dNTPs, buffers and high-quality FlashTaq™ HotStart.
- Optimized to allow prolonged use and storage at Ambient Temperature.
- Up to 60 Days at 15° to 25°C
- Up to 180 Days at 4°C

Robust & Versatile

- High yields over a wide range of templates. Good for routine PCR, colony PCR, genotyping and more.

Rapid Activation

- Hot-start activation in only two minutes. No cyclor program changes necessary.

Just add DNA, primers, H₂O and go!

Available in Lyophilization Ready Format

Carry Over Contamination

- Contains UDG and dUTP

Item Number	Reactions
IT-MM-200	200
IT-MM-600	600
IT-MM-1000	1,000
IT-MM-2000	2,000
IT-MM-5000	5,000
IT-MM-10000	10,000

Related Products

- RTScript™ cDNA Transcriptase Enzyme
- QuanTASE Universal RT-qPCR Kit
- QuanTASE PLUS Universal RT-qPCR Kit



TO ORDER, REQUEST SAMPLES OR FOR MORE INFORMATION, CONTACT:
Empirical Bioscience, Inc. | 2007 Eastcastle Drive SE
Grand Rapids, MI 49508 | Phone/Fax: 877.479.9949
Email: sales@empiricalbioscience.com
empiricalbioscience.com