

# 4X InhibiTAQ HotStart qPCR MasterMix



Enzymes and Reagents

PCR | qPCR | RT | Kits | Oligonucleotides

## Performance

Empirical's InhibiTAQ 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 has been developed to provide increased confidence when working with complex clinical and environmental samples.

InhibiTAQ 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 cycler program changes necessary.

**Just add DNA, primers, H<sub>2</sub>O and go!**

**Available in Lyophilization Ready Format**

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:**  
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