

# QuantASE PLUS Universal RT-qPCR Kit

Enzymes and Reagents

PCR | qPCR | RT | Kits | Oligonucleotides

## Performance:

The QuantASE PLUS kit from Empirical Bioscience is an RT-qPCR Universal kit contains the reagents and master mixes necessary for accurately and efficiently synthesizing and amplifying cDNA from RNA samples. The reagents have been optimized for qPCR or RT-qPCR applications for use with both intercalating dye and Probe-based detection methods.

The QuantASE PLUS kit is a high performance version of the Empirical Bioscience QuantiSCRIPT RT-qPCR Universal Kit.

The Kit contains Empirical RTScript (M-MLV) Reverse Transcriptase Enzyme Mix and 4X InhibiTag Plus Hotstart qPCR Mastermix and 100mM DTT solution

InhibiTag PLUS qPCR Master mix is a proprietary chemically modified Hot Start (2 minute Activation) Taq polymerase and novel buffer system which has been developed to tolerate inhibitors commonly found in many samples. It is designed to reduce the amount of sample processing required for reliable qPCR analysis and can be used for amplification from inhibitor-rich samples such as urine, saliva, cerebral spinal fluid (CSF), whole blood, serum, plasma, feces and plants samples.

The Master mix also contains dUTP and UDG, allowing the end-user to minimize carryover contamination, providing high performance on samples from diverse sources and of different target types. The qPCR Master mix contains a passive ROX reference dye enabling use on a wide variety of instruments. This means that on most platforms no additional components are required to ensure compatibility. A supplemental ROX solution is also included for use, should it be required. The enzymes and buffer system has been optimized to support both One Step and Two Step RT-qPCR protocols.

## Notice to Purchaser:

*SYBR® is a registered trademark of Invitrogen, Inc. EvaGreen® is a registered trademark of Biotium, Inc. Empirical Bioscience is licensed by Biotium, Inc. to sell reagents including EvaGreen® dye, for research purposes only. Use of this product is covered by the following US patents and foreign equivalents: US7,803,943 B2, US7,776, 567, B2, including any patent application from which any of the listed patents directly or indirectly matured, any divisional, continuation and continuation-in-part application of any of the foregoing patent applications.*

## Features:

- Heat Stable Reagents
- Aptamer Modified Warm-Start RT (instant activation > 45°C)
- Chemically modified Taq Polymerase (2 min. activation at 95°C)
- Optimized Master Mix with dUTP and UDG to prevent carryover contamination
- High Sensitivity
- Dye or Probe based qPCR
- Compatible with most equipment
- Inhibitor Tolerant PCR Master Mix

Item Number	Reactions
QSP-KIT-200	200
QSP-KIT-1000	1000
QSP-KIT-2000	2000

## Kit Contains:

- WarmStart RTScript, 200 U/uL
- 4x InhibiTAQ PLUS qPCR Master Mix
- 1.5mM DTT Solution

## Additional Materials Required:

- Two-Step reactions require additional reagents.
- QuantASE Two-Step RT-qPCR Reagent Kit

Item Number	Reactions
QS-SR-100	100



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