Performance:
The QuantiTASE PLUS Kit from Empirical Bioscience is an RT-qPCR Universal Kit that contains the reagents and MasterMixes 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 QuantiTASE PLUS Kit is a high-performance version of the Empirical Bioscience QuantiTASE RT-qPCR Universal Kit.

The Kit contains Empirical RTScript™ (M-MLV) Reverse Transcriptase Enzyme Mix and 4X InhibiTaq Plus HotStart qPCR MasterMix and 100mM DTT solution.

InhibiTaq PLUS qPCR MasterMix is a proprietary chemically-modified HotStart (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 MasterMix 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 MasterMix contains a passive ROX reference dye that enables it to be used 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.

Features:
- Heat Stable Reagents
- Aptamer Modified RTScript™ (instant activation > 45°C)
- Chemically modified Taq Polymerase (2 min. activation at 95°C)
- Optimized MasterMix with dUTP and UDG to prevent carryover contamination
- High Sensitivity
- Dye or probe-based qPCR
- Compatible with most equipment
- Inhibitor Tolerant PCR MasterMix

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Kit Contains:
- WarmStart RTScript™, 200 U/uL
- 4x InhibTAQ PLUS qPCR MasterMix
- 1.5mM DTT Solution

Additional Materials Required:
- Two-Step reactions require additional reagents.
- QuantiTASE Two-Step RT-qPCR Reagent Kit