

# UltraPlex<sup>®</sup> One-Step ToughMix<sup>®</sup>

Up to 5-target multiplex, inhibitor-resistant RT-qPCR, maximum yields for superior performance

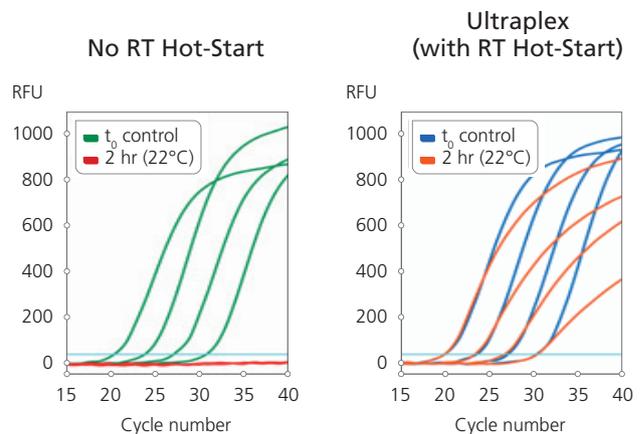


## FEATURES & BENEFITS:

- 4x concentrated SuperMix reagent supports increased sample input volume, improving flexibility with extremely low yield templates (1 pg total RNA)
- ToughMix reagent technology neutralizes a broad spectrum of PCR inhibitors common in plant and animal tissues, environmental sources, clinical specimens and complex food matrices
- Superior assay sensitivity and specificity with ultrapure AccuStart II enzyme technology – maximum-yielding *Taq* DNA polymerase mutant controlled by stringent, multi-epitope antibody hot start
- Temperature stabilized master mix enables convenient setup at ambient room temperature

## DESCRIPTION:

UltraPlex One-Step ToughMix is a ready-to-use, single-component SuperMix reagent for One-Step reverse transcription and real-time quantitative PCR (RT-qPCR) of RNA templates using probe-based detection methods. Advanced qScript XLT reverse transcriptase mutant possesses elevated temperature stability and improved template binding affinity increases sensitivity with large, complex RNA targets and delivers highly sensitive quantification with highly multiplexed RNA detection assays. ToughMix reagent technology ensures robust, reliable performance of highly-multiplexed (>4) RNA detection assays with a wide-range of inhibitory starting materials. This flexible formulation supports miniaturized reaction volumes (droplet PCR) with either fast or standard thermal cycling conditions.



The RT Hot Start functionality of Ultraplex improves low-copy RT-qPCR performance and enables convenient room temperature reaction setup.

## ORDER INFO

Product Name	Quantabio Catalog Number	Size
UltraPlex One-Step ToughMix- 100 R	95166-100	100 x 20 µl rxns
UltraPlex One-Step ToughMix - 500 R	95166-500	500 x 20 µl rxns
UltraPlex One-Step ToughMix ROX - 100 R	95167-100	100 x 20 µl rxns
UltraPlex One-Step ToughMix ROX - 500 R	95167-500	500 x 20 µl rxns
UltraPlex One-Step ToughMix Low ROX - 100 R	95168-100	100 x 20 µl rxns
UltraPlex One-Step ToughMix Low ROX - 500 R	95168-500	500 x 20 µl rxns