

Product Information	
qScript Ultra SuperMix	
Part Number	95217-100
Number of Reactions	100 Reactions
Reaction Size	20 $\mu$ L
Storage Temperature	-25°C to -15°C
Lot Number	66224709
Reference Number	110322
Expiration Date	03/31/2024

**Product Description:**

qScript Ultra SuperMix is a highly stabilized, efficient and easy-to-use single tube master mix for the synthesis of first-strand cDNA to reverse transcribe RNA to cDNA. A key component is a novel, state-of-the-art, RNase H deficient reverse transcriptase that was engineered for improved thermostability, velocity and processivity. qScript Ultra SuperMix contains all required components for first-strand cDNA synthesis except RNA template. This cDNA SuperMix is directly compatible with downstream 2-step RT-qPCR or RT-PCR procedures.

**Component Part Numbers:**

84658 qScript Ultra SuperMix, 0.4 mL

Product Specifications	
95217	
Assay	qScript Ultra SuperMix Functional Assay
Result	Pass

**Quality Control Analysis and Specifications:**

Kit components are free of contaminating DNase and RNase. qScript Ultra SuperMix is functionally tested in RT-qPCR for detection of  $\beta$ -actin mRNA in triplicate reactions using log-fold serial dilutions of total RNA from 1  $\mu$ g to 1 pg, followed by qPCR amplification using 1/10 of each first-strand reaction. Analysis must demonstrate a coefficient of determination ( $R^2$ )  $\geq$  0.990 with a slope analysis between -3.20 and -3.70.

Nuclease Assay:

DNase: DNase activity must be below the detectable limits of 100 pg DNase I equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

RNase: RNase activity must be below the detectable limits of 1 pg RNase A equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

**Limitations of Use**

QuantaBio, UltraPlex, qScript, GelTrack, ToughMix, PerfeCta, and FastMix are registered trademarks of QuantaBio, LLC. Applied Biosystems, StepOne, StepOnePlus and ROX are trademarks of Thermo Fisher Scientific and or its subsidiaries. Please contact QuantaBio for more information.

This product was developed, manufactured, and sold for *in vitro* use only. The product is not suitable for administration to humans or animals. SDS sheets relevant to this product are available upon request.

100 Cummings Center, Suite 407J, Beverly, MA 01915 • Phone +1 888-959-5165 • [www.quantabio.com](http://www.quantabio.com) FMWI-016.2 Rev.03