Product Information	
qScript Ultra SuperMix	
Part Number	95217-025
Number of Reactions	25 Reactions
Reaction Size	20 µL
Storage Temperature	-25ºC to -15ºC
Lot Number	66237412
Reference Number	080223
Expiration Date	08/31/2024

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:

84657 qScript Ultra SuperMix, 0.1 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 β-actin mRNA in triplicate reactions using log-fold serial dilutions of total RNA from 1 µg to 1 pg, followed by qPCR amplification using 1/10 of each first-strand reaction. Analysis must demonstrate a coefficient of determination (R2) ≥ 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