

Product Information	
<b>qScript™ cDNA Synthesis Kit</b>	
Part Number	95047-025
Number of Reactions	25 Reactions
Reaction Size	20 $\mu$ L
Storage Temperature	-25°C to -15°C
Lot Number	66297159
Reference Number	013025, 012725
Expiration Date	01/31/2028

**Component Part Numbers:**
**84001** qScript RT 0.025 mL

**84004** qScript Reaction mix (5X) 0.10 mL

**84007** Nuclease-Free Water 1.5 mL

Product Specifications					
95047					
Assay	cDNA SuperMix Functional qPCR Assay	$\beta$ -actin SYBR Green qRT-PCR Assay	DNase	RNase	pH
Result	Pass	Pass	Pass	Pass	Pass

**Quality Control Analysis and Specifications:**

**cDNA SuperMix Functional qPCR Assay:** Detection of  $\beta$  actin mRNA from 100 ng to 100 fg of total RNA. The Cq standard curve analysis must have a coefficient of determination ( $R^2$ )  $\geq 0.990$  with a slope between -3.20 to -3.70

**$\beta$ -actin SYBR Green qRT-PCR Assay for qScript Reverse Transcriptase:** Detection of  $\beta$  actin mRNA from 100 ng to 100 fg of total RNA. The Cq standard curve analysis must have a coefficient of determination ( $R^2$ )  $\geq 0.990$  with a slope between -3.20 to -3.70

**pH:** Measured pH of 1X concentrated qScript Reaction Mix at ambient temperature (20-22°C) must be  $8.45 \pm 0.1$ .

**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**

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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.

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