

Product Information	
qScript Ultra Flex Kit	
Part Number	95215-025
Number of Reactions	25 Reactions
Reaction Size	20 μ L
Storage Temperature	-25°C to -15°C
Lot Number	66297156
Reference Number	053024, 022525, 082925, 112124
Expiration Date	12/31/2026

Product Description:

qScript Ultra Flex Kit is an easy-to-use and highly efficient kit for the synthesis of first-strand cDNA which allows for choice of cDNA priming method. The mix contains a next generation, novel reverse transcriptase which has been engineered for higher thermostability and processivity. qScript Ultra Flex Kit has been designed to be faster, longer and tougher than several other cDNA synthesis kits with flexible priming. qScript Ultra Flex Kit contains all required components for RT-qPCR or RT-PCR except RNA template and primer/probe assays.

Component Part Numbers:

84651 Ultra Flex Reaction Mix (5X), 0.10mL

84653 Random primers, 0.05mL

84655 Oligo(dT) primers, 0.05mL

84042 GSP Enhancer, 50 μ L

84007 Nuclease Free Water, 1.5mL

Product Specifications	
95215	
Assay	qScript Ultra Flex Kit Functional Assay
Result	Pass

Quality Control Analysis and Specifications:

Functional PCR Assay for Flex Kit Reaction Mix (5X): Detection of β -actin mRNA from 100 ng to 100 fg of total RNA. Coefficient of determination (R^2) \geq 0.990 with a slope analysis between -3.20 and -3.70. Single bands visible at 9kb and 15kb from 30 cycles of PCR using 100 ng Oligo-dT cDNA.

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.

100 Cummings Center, Suite 407J, Beverly, MA 01915 • Phone +1 888-959-5165 • www.quantabio.com FMWI-016.2 Rev.03