

| Product Information | |
|------------------------|--------------------------------|
| qScript Ultra Flex Kit | |
| Part Number | 95215-025 |
| Number of Reactions | 100 Reactions |
| Reaction Size | 20 μ L |
| Storage Temperature | -25°C to -15°C |
| Lot Number | 66233991 |
| Reference Number | 051623, 072121, 051923, 110822 |
| Expiration Date | 08/31/2024 |

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 qScript Ultra Flex Reaction Mix (5X), 0.10 mL
84653 qScript Ultra Flex Random primers, 0.05 mL
84655 qScript Ultra Flex Oligo(dT) primers, 0.05 mL
84042 qScript Ultra Flex GSP Enhancer, 0.05 mL
84007 qScript Ultra Flex Nuclease Free Water, 1.5 mL

| 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.

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