

Product Information	
qScript 1-Step Virus ToughMix Low ROX	
Part Number	95212-02K
Number of Reactions	2000
Reaction Size	20µL
Storage Temperature	-25°C to -15°C
Lot Number	66265808
Reference Number	091924
Expiration Date	09/30/2025

Product Description:

qScript 1-Step Virus ToughMix Low ROX is a 2x, ready-to-use, master mix for rapid detection of RNA viruses such as Flu-A, Flu-B, and SARS-CoV-2, using one-step, or single-tube reverse transcription quantitative PCR (RT-qPCR). It has been optimized for maximum sensitivity to enable reliable quantification of very low input quantities of RNA using dual-labeled hydrolysis probe detection chemistries such as TaqMan® probes in single or multiplexed assay formats. qScript 1-Step Virus ToughMix Low ROX contains all required components for RT-qPCR except RNA template and primer/probe assays.

qScript 1-Step Virus ToughMix Low ROX does not contain an internal reference dye.

Product Specifications			
95212			
Assay	1-Step RT-qPCR Functional Assay	DNase	RNase
Result	Pass	Pass	Pass

Quality Control Analysis and Specifications:

1-Step RT-qPCR Functional Assay: Cq standard curve analysis must have coefficient of determination (R^2) ≥ 0.990 with a slope between -3.20 and -3.65 . Control reactions lacking template RNA (NTC) must remain below fluorescence threshold through 45 PCR cycles.

Nuclease Assay:

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.

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.

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