

Product Information	
XLT 1-Step ToughMix v2 (2x)	
Part Number	95131
Unit Size	800 mL
Storage Temperature	-80°C to -60°C
Lot Number	66197689
Reference Number	120321
Expiration Date	12/31/2024

Product Description:

XLT 1-Step ToughMix v2 is a custom formulation of qScript XLT One-Step RT-qPCR ToughMix which is a ready-to-use, highly sensitive master mix for reverse transcription quantitative PCR (RT-qPCR) of RNA templates using hybridization probe detection chemistries such as TaqMan® 5'-hydrolysis probes.

Product Specifications			
95131			
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.

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