

| Product Information | |
|------------------------------------|----------------|
| XLT 1-Step ToughMix v2 (2x) | |
| Part Number | 95131 |
| Unit Size | 400 mL |
| Storage Temperature | -80°C to -60°C |
| Lot Number | 66171687 |
| Reference Number | 111820 |
| Expiration Date | 11/30/2023 |

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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