

**Inhibitor Tolerant RT-qPCR
Lo-ROX Mix, 4x**

For research or further manufacturing use only

Catalog No:	MDX105
Lot No:	B113780
Storage Conditions:	-20°C
Component Lot No:	223101A
Expiry date:	February 2025

Quality Control Parameters

Analysis	Specification	Result
Functional	<p>Amplification of a target gene from mouse Total RNA using a probe-based RT-qPCR assay under standard cycling conditions.</p> <p><u>Pass Criteria:</u> Amplification profiles must be consistent for the test and reference sample within ± 1 Cq difference.</p>	Passed
DNA contamination	<p>Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked. Test sample must amplify in concordance with control sample.</p> <p><u>Pass Criteria:</u> Amplification traces must overlay with the negative control.</p>	Passed
DNase contamination	<p>DNase contamination is measured as DNA substrate degradation against a DNase I dilution series by agarose gel electrophoresis.</p> <p>Limit of detection: 6.25×10^{-4} KU DNase I.</p> <p><u>Pass Criteria:</u> No detectable degradation.</p>	Passed
RNase contamination	<p>Quantitative PCR analysis with high and low RNase standards.</p> <p>Limit of detection: 9.7×10^{-3} ng/μL RNase</p> <p><u>Pass Criteria:</u> Test sample must show less RNase activity than the limit of detection.</p>	Passed

QA / QC Representative:



Date: 10th January 2023

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