

## Inhibitor Tolerant RT-qPCR Mix, 4x

For research or further manufacturing use only

Catalog No:	MDX016
Lot No:	B098450
Storage Conditions:	-20°C
Component Lot No:	121208A
Expiry date:	September 2023

### 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></p> <p>Amplification profiles must be consistent for the test and reference sample within <math>\pm 1</math> 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></p> <p>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: <math>6.25 \times 10^{-4}</math> KU DNase I.</p> <p><u>Pass Criteria:</u></p> <p>No detectable degradation.</p>	Passed
RNase contamination	<p>Quantitative PCR analysis with high and low RNase standards.</p> <p>Limit of detection: <math>9.7 \times 10^{-3}</math> ng/<math>\mu</math>L RNase</p> <p><u>Pass Criteria:</u></p> <p>Test sample must show less RNase activity than the limit of detection.</p>	Passed

QA / QC Representative:



Andrew Galeeba-M

 Date: 17<sup>th</sup> August 2021

**United Kingdom**

 Tel: +44 (0)20 8830 5300  
 Fax: +44 (0)20 8452 2822

**USA**

 Tel: +1 901.382.8716  
 Fax: +1 901.382.0027

**Germany**

 Tel: +49 (0)3371 60222 00  
 Fax: +49 (0)3371 60222 01

**Australia**

 Tel: +61 (0)2 9209 4180  
 Fax: +61 (0)2 9209 4763