meridian BIOSCIENCE™ LIFE DISCOVERED. LIFE DIAGNOSED.	**Certificate of Analysis**	**COA No: CA_BMM-0035**
		Version: 03

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

For research or further manufacturing use only

Catalog No:	MDX105
Lot No:	B129550
Storage Conditions:	-20°C
Component Lot No:	424207B
Expiry date:	August 2026

Quality Control Parameters

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

QA / QC Representative: X. Chen Date: 24th July 2024

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

Info@meridianlifescience.com; www.meridianlifescience.com