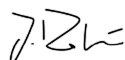
	Certificate of Analysis	COA No: CA_BMM-0034
		Version: 03

Inhibitor Tolerant RT-qPCR Mix, 4x For research or further manufacturing use only	Catalog No:	MDX016
	Lot No:	B359780
	Storage Conditions:	-20°C
	Component Lot No:	525211A
	Expiry date:	December 2027

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. <u>Pass Criteria:</u> 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 <i>E. coli</i> and mouse genomic DNA checked. Test sample must amplify in concordance with control sample. <u>Pass Criteria:</u> 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. <u>Pass Criteria:</u> No detectable degradation.	Passed
RNase contamination	Quantitative PCR analysis with high and low RNase standards. Limit of detection: 9.7×10^{-3} ng/ μ L RNase <u>Pass Criteria:</u> Test sample must show less RNase activity than the limit of detection.	Passed

QA / QC Representative:



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Date: 27th November 2025

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