

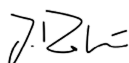
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|---|--------------------------------|---------------------|
|  | Certificate of Analysis | COA No: CA_BMM-0034 |
| | | Version: 03 |

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|---|---------------------|---------------|
| Inhibitor Tolerant RT-qPCR Mix, 4x For research or further manufacturing use only | Catalog No: | MDX016 |
| | Lot No: | B133530 |
| | Storage Conditions: | -20°C |
| | Component Lot No: | 424111A |
| | Expiry date: | December 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. <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: 28th November 2024

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