

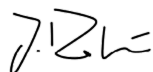
|                                                                                   |                                |                                        |
|-----------------------------------------------------------------------------------|--------------------------------|----------------------------------------|
|  | <b>Certificate of Analysis</b> | COA No: CA_SUP-0014<br>(CA_BSM-0116-2) |
|                                                                                   |                                | Version: 02                            |

|                                                                                                             |                     |           |
|-------------------------------------------------------------------------------------------------------------|---------------------|-----------|
| <b>Lyo-Ready™ Inhibitor Tolerant<br/>qPCR Mix, 4x</b><br><br>For research or further manufacturing use only | Catalog No:         | MDX184    |
|                                                                                                             | Lot No:             | B336770   |
|                                                                                                             | Storage Conditions: | -20°C     |
|                                                                                                             | Component Lot No:   | 525105A   |
|                                                                                                             | Expiry date:        | June 2027 |

|                                   |
|-----------------------------------|
| <b>Quality Control Parameters</b> |
|-----------------------------------|

| Analysis            | Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Result |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Functional          | <p>Quantitative real-time PCR analysis amplifying a target gene from a dilution series of mouse cDNA under standard cycling conditions.</p> <p><u>Pass Criteria:</u></p> <p>Amplification profile of a 1:10 dilution must be consistent for the test and reference sample within <math>\leq 0.5</math> Cq difference.</p> <p>The end florescence of the 1:10 dilution must be consistent for the test and reference sample within <math>\leq 0.10</math> 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>Incubation of a 1Kb double stranded DNA fragment. Incubation for 4 hours at 37°C with dilution series of DNase I. Analysed by agarose gel electrophoresis. Test sample must show less degradation than the limit of detection <math>2.5 \times 10^{-3}</math> U DNase.</p> <p><u>Pass Criteria:</u></p> <p>No detectable degradation.</p>                                                                                                                             | Passed |

QA / QC Representative:



J. Rahnenführer

Date: 12<sup>th</sup> May 2025

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