| meridian BIOSCIENCE™ LIFE DISCOVERED. LIFE DIAGNOSED. | Certificate of Analysis | COA No: CA_BSM-0098 |
|---|---|---|
| | | Version: 06 |

# 2x Inhibitor Tolerant qPCR Mix

For research or further manufacturing use only

| | |
|---|---|
| Catalog No: | MDX013 |
| Lot No: | EM019-B362070 |
| Storage Conditions: | -20°C |
| Component Lot No: | ITM-525112A |
| Expiry date: | January 2028 |

## Quality Control Parameters

Hot-start qPCR mix developed for direct amplification from human and animal blood samples.

| Analysis | Specification | Result |
|---|---|---|
| Functional | Quantitative real-time PCR analysis amplifying three different targets from a dilution series of mouse cDNA under standard conditions.<br>Pass Criteria:<br>For amplification below Ct 30, Ct profiles must be consistent for test and reference samples with a ± 0.5 Ct variance.<br>For amplification greater than Ct 30, Ct profiles must be consistent for test and reference samples with a ± 1 Ct variance. | Passed |
| DNA contamination | Quantitative PCR analysis with no template. Presence of *E. coli* and mouse genomic DNA checked.<br>Pass Criteria:<br>Test sample must amplify in concordance with control sample. | Passed |
| DNase contamination | DNase contamination is measured as DNA substrate degradation against a DNase I dilution series by agarose gel electrophoresis.<br>Limit of detection: $6.25 \times 10^{-4}$ KU DNase I.<br>Pass Criteria:<br>No detectable degradation. | Passed |

QA / QC Representative: X.Chen Date: 29th December 2025


**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