| meridian BIOSCIENCE™ | Certificate of Analysis | COA No: CA_BSM-0114 |
|---|---|---|
| | | Version: 02 |

# Lyo-Ready Direct RNA-DNA qPCR Saliva, 4x

For research or further manufacturing use only

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|---|---|
| Catalog No: | MDX133 |
| Lot No: | B129320 |
| Storage Conditions: | -20°C |
| Component Lot No: | 424107B |
| Expiry date: | August 2026 |

## Quality Control Parameters

| Analysis | Specification | Result |
|---|---|---|
| Functional | Quantitative real-time PCR analysis amplifying a target gene from a dilution series of mouse RNA under standard cycling conditions.<br>Pass Criteria:<br>Amplification profile of a 1:10 dilution must be consistent for the test and reference sample within ≤ 0.5 Cq difference.<br>The end florescence of the 1:10 dilution must be consistent for the test and reference sample within ≤ 0.10 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.<br>Pass Criteria:<br>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.<br>Limit of detection: $6.25 \times 10^{-4}$ KU DNase I.<br>Pass Criteria:<br>No detectable degradation. | Passed |
| RNase contamination | Quantitative PCR analysis with high and low RNase standards.<br>Limit of detection: $9.7 \times 10^{-3}$ ng/µL RNase<br>Pass Criteria:<br>Test sample must show less RNase activity than the limit of detection. | Passed |

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


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