

Air Dryable™ 1-Step RT-qPCR mix, 4x

For research or further manufacturing use only

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|---------------------|---------------|
| Catalog No: | MDX095 |
| Lot No: | B364830 |
| Storage Conditions: | -20°C |
| Component Lot No: | 426301A |
| Expiry date: | February 2028 |

Quality Control Parameters

| Analysis | Specification | Result |
|---------------------|--|--------|
| Functional | <p>Quantitative real-time PCR analysis amplifying a target gene from a dilution series of from a manufactured RNA template 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 ≤ 1 Cq difference.</p> <p>The end florescence of the 1:10 dilution must be consistent for the test and reference sample within ≤ 0.10 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>DNase contamination is measured as DNA substrate degradation against a DNase I dilution series by agarose gel electrophoresis.</p> <p>Limit of detection: 6.25×10^{-4} KU DNase I.</p> <p><u>Pass Criteria:</u></p> <p>No detectable degradation.</p> | Passed |
| RNase contamination | <p>Quantitative PCR analysis with high and low RNase standards.</p> <p>Limit of detection: 9.7×10^{-3} ng/μL RNase</p> <p><u>Pass Criteria:</u></p> <p>Test sample must show less RNase activity than the limit of detection.</p> | Passed |

QA / QC Representative:



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 Date: 28th January 2026

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