

## Lyo-Ready™ Direct DNA qPCR Stool, 4x

For research or further manufacturing use only

|                     |              |
|---------------------|--------------|
| Catalog No:         | MDX142       |
| Lot No:             | B120800      |
| Storage Conditions: | -20°C        |
| Component Lot No:   | 323109A      |
| Expiry date:        | October 2025 |

### Quality Control Parameters

| 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>DNase contamination is measured as DNA substrate degradation against a DNase I dilution series by agarose gel electrophoresis.</p> <p>Limit of detection: <math>6.25 \times 10^{-4}</math> KU DNase I.</p> <p><u>Pass Criteria:</u></p> <p>No detectable degradation.</p>   | Passed |

QA / QC Representative:



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Date: 13<sup>th</sup> September 2023

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