

# Lyo-Ready™ Direct DNA qPCR Mix Blood, 4x

For research or further manufacturing use only

Catalog No:	MDX122
Lot No:	B122740
Storage Conditions:	-20°C
Component Lot No:	323111A
Expiry date:	December 2025

## Quality Control Parameters

Analysis	Specification	Result
Functional	<p>Quantitative real-time PCR analysis amplifying a target gene from dilutions of mouse cDNA under standard cycling conditions.</p> <p><u>Pass Criteria:</u></p> <p>Amplification profiles must be consistent for the test and reference sample within ≤ 0.5 Cq difference for dilutions &lt; 30 Cq and ≤ 1.0 Cq for dilutions ≥ 30..</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 2.5 x 10<sup>-3</sup> U DNase.</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> November 2023

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