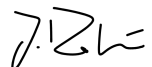


<h2 style="margin: 0;">Lyo-Ready™ Direct RNA/DNA qPCR Urine, 4x</h2> <p style="margin: 5px 0 0 0;">For research or further manufacturing use only</p>	Catalog No:	MDX153
	Lot No:	B127190
	Storage Conditions:	-20°C
	Component Lot No:	424105A
	Expiry date:	June 2026

Quality Control Parameters

Analysis	Specification	Result
Functional	<p>Quantitative real-time PCR analysis amplifying a target gene from dilutions of mouse RNA 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 ≤ 0.5 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>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 2.5×10^{-3} U DNase.</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: 08th May 2024

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