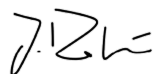
	<b>Certificate of Analysis</b>	COA No: CA_BSM-0111
		Version: 01

<b>Air-Dryable™ Direct DNA qPCR</b> <b>Urine, 4x</b> For research or further manufacturing use only	Catalog No:	MDX150
	Lot No:	B128590
	Storage Conditions:	-20°C
	Component Lot No:	324106A
	Expiry date:	July 2026

### 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 profile of a 1:10 dilution must be consistent for the test and reference sample within <math>\leq 1.0</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>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 <math>2.5 \times 10^{-3}</math> U DNase.</p> <p><u>Pass Criteria:</u></p> <p>No detectable degradation.</p>	Passed

QA / QC Representative:



J. Rahneführer

Date: 25<sup>th</sup> June 2024

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