

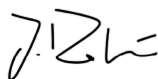
	<b>Certificate of Analysis</b>	COA No: CA_BSM-0116
		Version: 03

<b>Lyo-Ready Direct DNA qPCR Saliva, 4x</b>  For research or further manufacturing use only	Catalog No:	MDX132
	Lot No:	B328480
	Storage Conditions:	-20°C
	Component Lot No:	325102A
	Expiry date:	March 2027

<b>Quality Control Parameters</b>
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Analysis	Specification	Result
Functional	Quantitative real-time PCR analysis amplifying a target gene from a dilution series of mouse cDNA under standard cycling conditions. <u>Pass Criteria:</u> Amplification profile of a 1:10 dilution must be consistent for the test and reference sample within $\leq 0.5$ Cq difference. The end florescence of the 1:10 dilution must be consistent for the test and reference sample within $\leq 0.10$ difference.	Passed
DNA contamination	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. <u>Pass Criteria:</u> Amplification traces must overlay with the negative control.	Passed
DNase contamination	DNase contamination is measured as DNA substrate degradation against a DNase I dilution series by agarose gel electrophoresis. Limit of detection: $6.25 \times 10^{-4}$ KU DNase I. <u>Pass Criteria:</u> No detectable degradation.	Passed

QA / QC Representative:



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Date: 14<sup>th</sup> February 2025

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