	<b>Certificate of Analysis</b>	COA No: CA_BSM-0098
		Version: 06

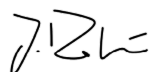
<b>2x Inhibitor Tolerant qPCR Mix</b>  For research or further manufacturing use only	Catalog No:	MDX013
	Lot No:	EM020-B129760
	Storage Conditions:	-20°C
	Component Lot No:	ITM-424507A
	Expiry date:	August 2026

### Quality Control Parameters

Hot-start qPCR mix developed for direct amplification from human and animal blood samples.

Analysis	Specification	Result
Functional	<p>Quantitative real-time PCR analysis amplifying three different targets from a dilution series of mouse cDNA under standard conditions.</p> <p><u>Pass Criteria:</u></p> <p>For amplification below Ct 30, Ct profiles must be consistent for test and reference samples with a <math>\pm 0.5</math> Ct variance.</p> <p>For amplification greater than Ct 30, Ct profiles must be consistent for test and reference samples with a <math>\pm 1</math> Ct variance.</p>	Passed
DNA contamination	<p>Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked.</p> <p><u>Pass Criteria:</u></p> <p>Test sample must amplify in concordance with control sample.</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:



J. Rahnenführer

Date: 31<sup>st</sup> July 2024

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