

	<b>Certificate of Analysis</b>	COA No: CA_BSM-0125
		Version: 02

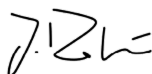
<b>Inhibitor Tolerant qPCR Mix, 5x</b>  For research or further manufacturing use only	Catalog No:	MDX073
	Lot No:	B129270
	Storage Conditions:	-20°C
	Component Lot No:	424107B
	Expiry date:	August 2026

### 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>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. Rahnenführer

Date: 18<sup>th</sup> July 2024

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