

	Certificate of Analysis	COA No: CA_BSM-0103-3
		Version: 02

Air-Dryable™ Direct DNA qPCR Blood, 4x For research or further manufacturing use only	Catalog No:	MDX092
	Lot No:	B118490
	Storage Conditions:	-20°C
	Component Lot No:	223206A
	Expiry date:	July 2025

Quality Control Parameters

Analysis	Specification	Result
Functional	<p>Quantitative real-time PCR analysis amplifying three target genes from a dilution series of mouse cDNA under standard cycling 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 ± 0.5 Ct variance.</p> <p>For amplification greater than Ct 30, Ct profiles must be consistent for test and reference samples with a ± 1 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: 6.25×10^{-4} KU DNase I.</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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