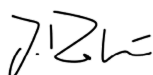
	<b>Certificate of Analysis</b>	COA No: CA_BSM-0107
		Version: 02

<b>Air Dryable™ Direct RNA/DNA qPCR Blood, 4x</b>  For research or further manufacturing use only	Catalog No:	MDX121
	Lot No:	B129700
	Storage Conditions:	-20°C
	Component Lot No:	224207A
	Expiry date:	August 2026

### Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative RT-PCR analysis amplifying a gene from dilutions of mouse RNA under standard conditions. <u>Pass Criteria:</u> Ct profiles must be consistent between test and reference samples with a $\pm 0.5$ Ct variance.	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
RNase contamination	Quantitative PCR analysis with high and low RNase standards. Limit of detection: $9.7 \times 10^{-3}$ ng/ $\mu$ L RNase <u>Pass Criteria:</u> Test sample must show less RNase activity than the limit of detection.	Passed

QA / QC Representative:



J. Rahnenführer

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

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