

	Certificate of Analysis	COA No: CA_BSM-0097
		Version: 05

Lyo-Ready 1-Step RT-qPCR Mix, 2x For research or further manufacturing use only	Catalog No:	MDX052
	Lot No:	EM088-B097980
	Storage Conditions:	-20°C
	Component Lot No:	LY1S-0211107A
	Expiry date:	August 2023

Quality Control Parameters

Ready-to-use, glycerol-free RT-qPCR mastermix formulated with a specialized blend of excipients for lyophilization into beads or cakes

Analysis	Specification	Result
Functional	Quantitative RT-qPCR analysis amplifying 3 genes from a dilution series of mouse RNA under standard conditions. <u>Pass Criteria:</u> Amplification profiles must be consistent for the test and reference sample within ± 0.5 Cq 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: 6.25×10^{-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: 9.7×10^{-3} ng/ μ L RNase <u>Pass Criteria:</u> Test sample must show less RNase activity than the limit of detection.	Passed
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QA / QC Representative:



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Date: 30/07/2021

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