

	Certificate of Analysis	COA No: CA_BSM-0102
		Version: 03

Air Dryable™ 1-Step RT-qPCR mix, 4x For research or further manufacturing use only	Catalog No:	MDX095
	Lot No:	B346410
	Storage Conditions:	-20°C
	Component Lot No:	425307B
	Expiry date:	August 2027

Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative real-time PCR analysis amplifying a target gene from a dilution series of from a manufactured RNA template under standard cycling conditions. <u>Pass Criteria:</u> Amplification profile of a 1:10 dilution must be consistent for the test and reference sample within ≤ 1 Cq difference. The end florescence of the 1:10 dilution must be consistent for the test and reference sample within ≤ 0.10 difference.	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/μL RNase <u>Pass Criteria:</u> Test sample must show less RNase activity than the limit of detection.	Passed

QA / QC Representative:



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