

	Certificate of Analysis	COA No: CA_BSM-0122
		Version: 01

Lyo-Ready™ Direct DNA qPCR Mix Blood, 4x For research or further manufacturing use only	Catalog No:	MDX122
	Lot No:	B348450
	Storage Conditions:	-20°C
	Component Lot No:	425108A
	Expiry date:	September 2027

Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative real-time PCR analysis amplifying a target gene from dilutions of mouse cDNA under standard cycling conditions. <u>Pass Criteria:</u> Amplification profiles must be consistent for the test and reference sample within ≤ 0.5 Cq difference for dilutions < 30 Cq and ≤ 1.0 Cq for dilutions ≥ 30.	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	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 2.5×10^{-3} U DNase. <u>Pass Criteria:</u> No detectable degradation.	Passed

QA / QC Representative:



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