

<h2 style="margin: 0;">Air-Dryable™ Direct qPCR Plant, 4x</h2> <p style="margin: 10px 0 0 0;">For research or further manufacturing use only</p>	Catalog No:	MDX116
	Lot No:	B103630
	Storage Conditions:	-20°C
	Component Lot No:	122201A
	Expiry date:	February 2024

Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative real-time PCR analysis amplifying three target genes from a dilution series of mouse cDNA under standard cycling conditions. <u>Pass Criteria:</u> For amplification below Ct 30, Ct profiles must be consistent for test and reference samples with a ± 0.5 Ct variance. For amplification greater than Ct 30, Ct profiles must be consistent for test and reference samples with a ± 1 Ct variance.	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked. <u>Pass Criteria:</u> Test sample must amplify in concordance with control sample.	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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 Date: 28th January 2022

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