

<h2 style="margin: 0;">Air-Dryable™ Direct RNA/DNA qPCR Saliva Mix, 4x</h2> <p style="margin: 10px 0 0 0;">For research or further manufacturing use only</p>	Catalog No:	MDX131
	Lot No:	B118780
	Storage Conditions:	-20°C
	Component Lot No:	123506B
	Expiry date:	July 2025

### Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative real-time PCR analysis amplifying a target gene from a dilution series of mouse RNA 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 $\leq 1.1$ Cq difference.  The end florescence of the 1:10 dilution must be consistent for the test and reference sample within $\leq 0.10$ 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: $6.25 \times 10^{-4}$ 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:



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 Date: 28<sup>th</sup> June 2023

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