meridian BIOSCIENCE™ LIFE DISCOVERED. LIFE DIAGNOSED.	Certificate of Analysis	COA No: CA_BSM-0108
		Version: 02

Air-Dryable™ Direct RNA/DNA qPCR Stool Mix, 4x

For research or further manufacturing use only

Catalog No:	MDX141
Lot No:	B126750
Storage Conditions:	-20°C
Component Lot No:	224304A
Expiry date:	May 2026

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. Pass Criteria: Amplification profile of a 1:10 dilution must be consistent for the test and reference sample within ≤ 0.5 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 *E. coli* and mouse genomic DNA checked. Test sample must amplify in concordance with control sample. Pass Criteria: 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. Pass Criteria: 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 Pass Criteria: Test sample must show less RNase activity than the limit of detection.	Passed

QA / QC Representative: J. Rahnenführer Date: 19th April 2024

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