meridian BIOSCIENCE ™ LIFE DISCOVERED. LIFE DIAGNOSED.	Certificate of Analysis	COA No: CA_XBB-0063
		Version: 06

4x Lyo-Ready™ Buffer

For research or further manufacturing use only

Catalog No:	MDX061
Lot No:	CP080-B112340
Storage Conditions:	-20°C
Component Lot No:	LB4-122211A
Expiry date:	December 2024

Quality Control Parameters

Glycerol-free qPCR buffer formulated without excipients

Analysis	Specification	Result
Functional	Quantitative RT-PCR analysis amplifying three targets in multiplex from a dilution series of mouse RNA under standard conditions. Ct profiles must be consistent for test and reference samples with a ± 0.5 Ct variance. Pass Criteria: The delta Rn of the amplification traces, for test and reference samples, must be within 10 %.	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of *E. coli* and mouse genomic DNA checked. Pass Criteria: 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. Pass Criteria: No detectable degradation.	Passed

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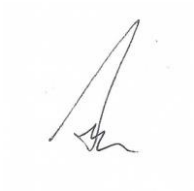
RNase contamination	Quantitative PCR analysis with high and low RNase standards. Limit of detection: 9.7 x 10^{-3} ng/µL RNase Pass Criteria: Test sample must show less RNase activity than the limit of detection.	Passed

QA / QC Representative:  Alberta Newton Date: 18th November 2022

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