meridian BIOSCIENCE ™ LIFE DISCOVERED. LIFE DIAGNOSED.	**Certificate of Analysis**	**COA No: CA_BEM-0025**
		Version: 08

SensiFAST™ Reverse Transcriptase For research or further manufacturing use only		
	Catalog No:	BIO-65054
	Lot No:	RA653-B111430
	Storage Conditions:	-20°C
	Component Lot No:	SRT-222210A
	Expiry date:	November 2024

Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative PCR analysis amplifying 4 genes from a dilution series of mouse RNA under standard conditions. Cq and melting profiles must be consistent for the test and reference sample with ± 0.5 Cq variance.	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of *E. coli* and mouse genomic DNA checked. Test sample must amplify in line with control sample.	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 I.	Passed
RNase contamination	Quantitative PCR analysis with high and low RNase standards. Test sample must show less RNase activity than the limit of detection 9.7×10^{-3} ng/µL RNase.	Passed

QA / QC Representative:  Andrew Galeeba-M Date: 12th October 2022

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meridian BIOSCIENCE™ LIFE DISCOVERED. LIFE DIAGNOSED.	**Certificate of Analysis**	**COA No: CA_XBB-0050**
		Version: 07

5x TransAmp Buffer

For research or further manufacturing use only

Catalog No:	BIO-65054
Lot No:	RA653-B111430
Storage Conditions:	-20°C
Component Lot No:	TAB-222110A
Expiry date:	November 2024

Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative PCR analysis amplifying 4 genes from a dilution series of mouse cDNA under standard conditions. cDNA was synthesised using the SensiFAST cDNA synthesis kit, using recommended conditions. Cq and melting profiles for the test must be within the reference variance.	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of *E. coli* and mouse genomic DNA checked. Test sample must amplify in line with control sample.	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 x 10^{-3} U DNase I.	Passed
RNase contamination	Quantitative PCR analysis with high and low RNase standards. Test sample must show less RNase activity than the limit of detection 9.7x10^{-3} ng/µL RNase.	Passed

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