meridian BIOSCIENCE™ LIFE DISCOVERED. LIFE DIAGNOSED.	Certificate of Analysis	COA No: CA_BSM-0013
		Version: 07

SensiMix™ II Probe Kit

For research or further manufacturing use only

Catalog No:	BIO-83005
Lot No:	SM664-B114600
Storage Conditions:	-20°C
Component Lot No:	SM2-223101A
Expiry date:	February 2025

Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative PCR analysis amplifying 6 genes from a dilution series of mouse cDNA under standard conditions. Cq 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

QA / QC Representative:  Andrew Galeeba-M Date: 13th February 2023

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meridian BIOSCIENCE ™ LIFE DISCOVERED. LIFE DIAGNOSED.	**Certificate of Analysis**	**COA No: CA_BSM-0025**
		Version: 07

# ROX Solution, 25 µM For research or further manufacturing use only		
	Catalog No:	BIO-83005
	Lot No:	SM664-B114600
	Storage Conditions:	-20°C
	Component Lot No:	ROX-223101A
	Expiry date:	February 2025

Quality Control Parameters

Analysis	Specification	Result
ROX concentration	A fluorescence spectrophotometer is used to quantify the ROX concentration ± 5% 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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