meridian BIOSCIENCE	Certificate of Analysis	COA No: CA_BSM-0019
		Version: 09

SensiFAST™ SYBR® Hi-ROX One-Step Kit

For research or further manufacturing use only

Catalog No:	BIO-73005
Lot No:	SF613-B122310
Storage Conditions:	-20°C
Component Lot No:	SFS1S-323110A
Expiry date:	November 2025

Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative PCR analysis amplifying 6 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: 14th November 2023

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meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA_BEM-0010
		Version: 08

Reverse Transcriptase

For research or further manufacturing use only

Catalog No:	BIO-73005
Lot No:	SF613-B122310
Storage Conditions:	-20°C
Component Lot No:	RTS-223210A
Expiry date:	November 2025

Quality Control Parameters

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

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meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA_XBE-0031
		Version: 09

RNase Inhibitor

Suitable for Research and further Manufacturing Use

Catalog No:	BIO-73005
Lot No:	SF613-B122310
Storage Conditions:	-20°C
Component Lot No:	RI-123310A
Expiry date:	November 2025

Quality Control Parameters

Analysis	Specification	Result
Inhibition	Test level of inhibition by incubating total RNA with concentration gradient of RNase A. Bands were observed with agarose gel electrophoresis (ethidium stained).	Passed

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meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA_XBS-0020
		Version: 08

DEPC Water

For research or further manufacturing use only

Catalog No:	BIO-73005
Lot No:	SF613-B122310
Storage Conditions:	-20°C
Component Lot No:	DWT-123910B
Expiry date:	November 2025

Quality Control Parameters

Analysis	Specification	Result
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

QA / QC Representative: Andrew Galeeba-M Date: 14th November 2023

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