meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA_BSM-0018
		Version: 08

SensiFAST™ SYBR® Lo-ROX One-Step Kit For research or further manufacturing use only		
	Catalog No:	BIO-74005
	Lot No:	SF615-B124340
	Storage Conditions:	-20°C
	Component Lot No:	SFSL1S-324101A
	Expiry date:	February 2026

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: J. Rahnenführer Date: 17th January 2024

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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-74005
Lot No:	SF615-B124340
Storage Conditions:	-20°C
Component Lot No:	RTS-224201A
Expiry date:	February 2026

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-74005
Lot No:	SF615-B124340
Storage Conditions:	-20°C
Component Lot No:	RI-124301A
Expiry date:	February 2026

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-74005
Lot No:	SF615-B124340
Storage Conditions:	-20°C
Component Lot No:	DWT-124901A
Expiry date:	February 2026

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: J. Rahnenführer Date: 17th January 2024

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