bioline meridian BIOSCIENCE	Certificate of Analysis	COA No: CA_BSM-0030
		Version: 05

SensiFAST™ SYBR No-ROX One-Step Kit

For Research Use Only

Catalog No:	BIO-72005
Lot No:	SF611-B075690
Shipping / Storage Conditions:	-20°C
Component Lot No:	SFSN1S-919109A
Expiry date:	October 2021

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 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

Authorised by Christopher Weatherall

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bioline meridian BIOSCIENCE	**Certificate of Analysis**	**COA No: CA_BEM-0010**
		Version: 05

Reverse Transcriptase

For Research Use Only

Catalog No:	BIO-72005
Lot No:	SF611-B075690
Shipping / Storage Conditions:	-20°C
Component Lot No:	RTS-919209A
Expiry date:	October 2021

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 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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meridian BIOSCIENCE™ LIFE DISCOVERED. LIFE DIAGNOSED.	Certificate of Analysis	COA No: CA_XBE-0031
		Version: 06

RNase Inhibitor

Suitable for Research and further Manufacturing Use as an IVD component

Catalog No:	BIO-72005
Lot No:	SF611-B075690
Shipping / Storage Conditions:	-20°C
Component Lot No:	RI-919109A
Expiry date:	October 2021

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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bioline meridian BIOSCIENCE	**Certificate of Analysis**	**COA No: CA_XBS-0020**
		Version: 05

DEPC Water Suitable for Research and further Manufacturing Use as an IVD component	Catalog No:	BIO-72005
	Lot No:	SF611-B075690
	Shipping / Storage Conditions:	-20°C
	Component Lot No:	DWT-819108A
	Expiry date:	October 2021

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

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