BIOLINE	**Certificate of Analysis**	**COA No: CA_BMM-0010**
		Version: 02

MyTaq One-Step RT-PCR Mix	Storage Conditions:	-20°C
	Lot number:	MTOS-516203
For Research Use Only	Expiry date:	April 2018

Quality Control Parameters

Analysis	Specification	Result
Functional	Fragments of sizes 1000bp and 1400bp were amplified with a dilution series of mouse RNA, using standard conditions and 45 cycles. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	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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BIOLINE	**Certificate of Analysis**	**COA No: CA BE-0031**
		Version: 02

RNase Inhibitor	Storage Conditions:	-20°C
	Lot number:	RI-516203
For Research Use Only	Expiry date:	April 2018

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	**Certificate of Analysis**	**COA No: CA_BEM-0010**
		Version: 02

Reverse Transcriptase	Storage Conditions:	-20°C
	Lot number:	MTP-516103
For Research Use Only	Expiry date:	April 2018

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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BIOLINE	**Certificate of Analysis**	**COA No: CA_BS-0020**
		Version: 02

DEPC Water	Storage Conditions:	-20°C
	Lot number:	DWT-416101
For Research Use Only	Expiry date:	April 2018

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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