meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA CHM-0192
		Version: 08

Reverse Transcriptase

For research or further manufacturing use only

Catalog No:	BIO-65050
Lot No:	RA393-B124330
Storage Conditions:	-20°C
Component Lot No:	TRT-324301A
Expiry date:	February 2026

Quality Control Parameters

Analysis	Specification	Result
Functional	Fragments of sizes 1.2Kb and 6.5Kb were reverse transcribed, using standard conditions. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	Passed
Endonuclease contamination	Super coiled DNA plasmid was incubated with the reverse transcriptase for 1 hour at 37°C, the absence of nicking and cutting is shown by agarose gel electrophoresis.	Passed
DNase and RNase contamination	A DNA and RNA fragment were Incubated with the reverse transcriptase for 1 hour at 37°C. < 1% degradation was observed.	Passed

QA / QC Representative: J. Rahnenführer Date: 17th January 2024

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meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA XBB-0003-2
		Version: 08

RT Buffer

For research or further manufacturing use only

Catalog No:	BIO-65050
Lot No:	RA393-B124330
Storage Conditions:	-20°C
Component Lot No:	TRTB-324101A
Expiry date:	February 2026

Quality Control Parameters

Analysis	Specification	Result
Functional	Fragment of size 1Kb was reverse transcribed with BioScript™, with a template dilution series, using standard conditions. 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 a reference 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.	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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