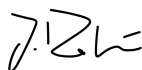
	Certificate of Analysis	COA No: CA CHM-0192
		Version: 08

Reverse Transcriptase For research or further manufacturing use only	Catalog No:	BIO-65043
	Lot No:	RA384-B125970
	Storage Conditions:	-20°C
	Component Lot No:	TRT-324303A
	Expiry date:	April 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:



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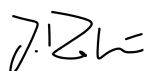
	Certificate of Analysis	COA No: CA XBB-0003-2
		Version: 08

RT Buffer For research or further manufacturing use only	Catalog No:	BIO-65043
	Lot No:	RA384-B125970
	Storage Conditions:	-20°C
	Component Lot No:	TRTB-324103A
	Expiry date:	April 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 <i>E. coli</i> 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 2.5×10^{-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 9.7×10^{-3} ng/μL RNase.	Passed

QA / QC Representative:



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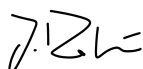
	Certificate of Analysis	COA No: CA_XBE-0031
		Version: 09

RNase Inhibitor Suitable for Research and further Manufacturing Use	Catalog No:	BIO-65043
	Lot No:	RA384-B125970
	Storage Conditions:	-20°C
	Component Lot No:	RI-124303A
	Expiry date:	April 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

QA / QC Representative:



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	Certificate of Analysis	COA No: CA BNN-0003
		Version: 09

dNTP Mix 10mM Suitable for Research and further Manufacturing Use	Catalog No:	BIO-65043
	Lot No:	RA384-B125970
	Storage Conditions:	-20°C
	Component Lot No:	DM1-124203A
	Expiry date:	April 2026

Quality Control Parameters

Analysis	Specification	Result
Functional	A 800bp human genomic DNA fragment is amplified with a dilution series of enzymes, using standard conditions and 30 cycles. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of <i>E. coli</i> 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 2.5×10^{-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 9.7×10^{-3} ng/μL RNase.	Passed
Nicking Activity	Incubation of dNTP Mix with supercoiled control plasmid. Analysed by agarose gel electrophoresis. Test sample does not show an increase of linearized or relaxed plasmid.	Passed

QA / QC Representative:  J. Rahnenführer Date: 11th March 2024

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Certificate of Analysis

COA No: CA_XBS-0085

Version: 07

Oligo (dT)₁₈

For research or further manufacturing use only

Catalog No: BIO-65043

Lot No: RA384-B125970

Storage Conditions: -20°C

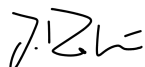
Component Lot No: ODT-124103A

Expiry date: April 2026

Quality Control Parameters

Analysis	Specification	Result
Functional	A 1Kb fragment is reverse transcribed from Poly A RNA with a dilution series of BioScript™, using standard conditions. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	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:



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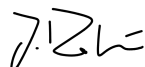
	Certificate of Analysis	COA No: CA_XBS-0090
		Version: 07

Random Hexamer Primer For research or further manufacturing use only	Catalog No:	BIO-65043
	Lot No:	RA384-B125970
	Storage Conditions:	-20°C
	Component Lot No:	RHP-324103A
	Expiry date:	April 2026

Quality Control Parameters

Analysis	Specification	Result
Functional	A 1Kb fragment is reverse transcribed from Poly A RNA with a dilution series of BioScript™, using standard conditions. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	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:



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	Certificate of Analysis	COA No: CA_XBS-0020
		Version: 08

DEPC Water For research or further manufacturing use only	Catalog No:	BIO-65043
	Lot No:	RA384-B125970
	Storage Conditions:	-20°C
	Component Lot No:	DWT-124903A
	Expiry date:	April 2026

Quality Control Parameters

Analysis	Specification	Result
DNA contamination	Quantitative PCR analysis with no template. Presence of <i>E. coli</i> 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/ μ L RNase.	Passed

QA / QC Representative:  J. Rahnenführer

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