

 A Millipore Life Sciences Company	Certificate of Analysis	COA No: CA BB-0003
		Version: 02

Bioscript Reaction Buffer For Research Use Only	Storage Conditions:	-20°C
	Lot number:	MB-717212B
	Expiry date:	January 2020

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/ μ L RNase.	Passed

Authorised by Christopher Weatherall



United Kingdom
Headquarters UK

info.uk@bioline.com
Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

USA

info.us@bioline.com
Tel: +1 508 880 8990
Fax: +1 508 880 8993

Germany

info.de@bioline.com
Tel: +49 (0)3371 681 229
Fax: +49 (0)3371 681 244

France

info.fr@bioline.com
Tel: +33 (0)1 42 56 04 40
Fax: +33 (0)9 70 06 62 10

Australia

info.aust@bioline.com
Tel: +61 (0)2 9209 4180
Fax: +61 (0)2 9209 4763

Singapore

info.sg@bioline.com
Tel: +65 6774 7196
Fax: +65 6774 6441

	Certificate of Analysis	COA No: CA CHM-0192
		Version: 02

Reverse Transcriptase For Research Use Only	Storage Conditions:	-20°C
	Lot number:	TRT-717512A
	Expiry date:	January 2020

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

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United Kingdom
Headquarters UK

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Fax: +44 (0)20 8452 2822

USA

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Tel: +1 508 880 8990
Fax: +1 508 880 8993

Germany

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Tel: +49 (0)3371 681 229
Fax: +49 (0)3371 681 244

France

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Tel: +33 (0)1 42 56 04 40
Fax: +33 (0)9 70 06 62 10

Australia

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Singapore

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	Certificate of Analysis	COA No: CA BE-0031
		Version: 02

RNase Inhibitor For Research Use Only	Storage Conditions:	-20°C
	Lot number:	RI-717212A
	Expiry date:	January 2020

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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United Kingdom
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Fax: +44 (0)20 8452 2822

USA

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Tel: +1 508 880 8990
Fax: +1 508 880 8993

Germany

info.de@bioline.com
Tel: +49 (0)3371 681 229
Fax: +49 (0)3371 681 244

France

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Tel: +33 (0)1 42 56 04 40
Fax: +33 (0)9 70 06 62 10

Australia

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Fax: +61 (0)2 9209 4763

Singapore

info.sg@bioline.com
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	Certificate of Analysis	COA No: CA BNN-0003
		Version: 03

dNTP Mix 10mM For Research Use Only	Storage Conditions:	-20°C
	Lot number:	DM1-717112A
	Expiry date:	January 2020

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/ μ L 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

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United Kingdom
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info.uk@bioline.com
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Fax: +44 (0)20 8452 2822

USA

info.us@bioline.com
Tel: +1 508 880 8990
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Germany

info.de@bioline.com
Tel: +49 (0)3371 681 229
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France

info.fr@bioline.com
Tel: +33 (0)1 42 56 04 40
Fax: +33 (0)9 70 06 62 10

Australia

info.aust@bioline.com
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Singapore

info.sg@bioline.com
Tel: +65 6774 7196
Fax: +65 6774 6441

	Certificate of Analysis	COA No: CA BS-0085
		Version: 02

Oligo (dT)₁₈ For Research Use Only	Storage Conditions:	-20°C
	Lot number:	ODT-717112A
	Expiry date:	January 2020

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/ μ L RNase.	Passed

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Fax: +44 (0)20 8452 2822

USA

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Tel: +1 508 880 8990
Fax: +1 508 880 8993

Germany

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France

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Australia

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Tel: +61 (0)2 9209 4180
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Singapore

info.sg@bioline.com
Tel: +65 6774 7196
Fax: +65 6774 6441

	Certificate of Analysis	COA No: CA BS-0090
		Version: 02

Random Hexamer Primer For Research Use Only	Storage Conditions:	-20°C
	Lot number:	RHP-717112A
	Expiry date:	January 2020

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/ μ L RNase.	Passed

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United Kingdom
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info.uk@bioline.com
Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

USA

info.us@bioline.com
Tel: +1 508 880 8990
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Germany

info.de@bioline.com
Tel: +49 (0)3371 681 229
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France

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Tel: +33 (0)1 42 56 04 40
Fax: +33 (0)9 70 06 62 10

Australia

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Fax: +61 (0)2 9209 4763

Singapore

info.sg@bioline.com
Tel: +65 6774 7196
Fax: +65 6774 6441

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

DEPC Water For Research Use Only	Storage Conditions:	-20°C
	Lot number:	DWT-717112A
	Expiry date:	January 2020

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

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Australia

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