



Certificate of Analysis

COA No: CA_BSM-0018

Version: 04

SensiFAST™ SYBR Lo-ROX One-Step Kit

For Research Use Only

Kit Lot No:	BIO-74001-SF614-B066770
Storage Conditions:	-20°C
Component Lot No:	SFSL1S-719101A
Expiry date:	February 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 <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

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@meridianlifescience.com
Tel: +1 901.382.8716
Fax: +1 901.382.0027

Germany

info.de@bioline.com
Tel: +49 (0)3371 60222 00
Fax: +49 (0)3371 60222 01

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



Certificate of Analysis

COA No: CA_XBE-0031

Version: 04

RNase Inhibitor

Suitable for Research and further Manufacturing Use as an IVD component

Kit Lot No: BIO-74001-SF614-B066770

Storage Conditions: -20°C

Component Lot No: RI-819101A

Expiry date: February 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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Fax: +1 901.382.0027

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Fax: +49 (0)3371 60222 01

France

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

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info.aust@bioline.com
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Certificate of Analysis

COA No: CA_BEM-0010

Version: 04

Reverse Transcriptase

For Research Use Only

Kit Lot No:	BIO-74001-SF614-B066770
Storage Conditions:	-20°C
Component Lot No:	RTS-819101A
Expiry date:	February 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 <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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Tel: +49 (0)3371 60222 00
Fax: +49 (0)3371 60222 01

France

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

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



Certificate of Analysis

COA No: CA_XBS-0020

Version: 04

DEPC Water

Suitable for Research and further Manufacturing Use as an IVD component

Kit Lot No:	BIO-74001-SF614-B066770
Storage Conditions:	-20°C
Component Lot No:	DWT-718206A
Expiry date:	February 2021

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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Fax: +33 (0)9 70 06 62 10

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Fax: +61 (0)2 9209 4763