



## Certificate of Analysis

COA No: CA\_BSM-0019

Version: 04

# SensiFAST™ SYBR Hi-ROX One-Step Kit

For Research Use Only

Kit Lot No:	BIO-73005_SF613-BO65580
Storage Conditions:	-20°C
Component Lot No:	SFS1S-718112A
Expiry date:	January 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 $\pm 0.5$ 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 $2.5 \times 10^{-3}$ 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 $9.7 \times 10^{-3}$ ng/ $\mu$ L RNase.	Passed

Authorised by Christopher Weatherall

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## 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-73005\_SF613-BO65580

Storage Conditions: -20°C

Component Lot No: RI-818112B

Expiry date: January 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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## Certificate of Analysis

COA No: CA\_BEM-0010

Version: 04

# Reverse Transcriptase

For Research Use Only

Kit Lot No: BIO-73005\_SF613-  
BO65580

Storage Conditions: -20°C

Component Lot No: RTS-818112A

Expiry date: January 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 $\pm 0.5$ 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 $2.5 \times 10^{-3}$ 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 $9.7 \times 10^{-3}$ ng/ $\mu$ L RNase.	Passed

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## 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-73005_SF613-BO65580
Storage Conditions:	-20°C
Component Lot No:	DWT-718211A
Expiry date:	January 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 $2.5 \times 10^{-3}$ 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 $9.7 \times 10^{-3}$ ng/ $\mu$ L RNase.	Passed

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