

**SensiFAST™ SYBR® No-ROX One-Step Kit**

For research or further manufacturing use only

Catalog No:	BIO-72005
Lot No:	SF611-B114640
Storage Conditions:	-20°C
Component Lot No:	SFSN15-223102A
Expiry date:	March 2025

**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 x 10 <sup>-3</sup> 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 9.7x10 <sup>-3</sup> ng/μL RNase.	Passed

QA / QC Representative:



Andrew Galeeba-M

Date: 13<sup>th</sup> February 2023

**United Kingdom**

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**RNase Inhibitor**

Suitable for Research and further Manufacturing Use

Catalog No:	BIO-72005
Lot No:	SF611-B114640
Storage Conditions:	-20°C
Component Lot No:	RI-123302A
Expiry date:	March 2025

**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:



Andrew Galeeba-M

Date: 13<sup>th</sup> February 2023

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## Reverse Transcriptase

For research or further manufacturing use only

Catalog No:	BIO-72005
Lot No:	SF611-B114640
Storage Conditions:	-20°C
Component Lot No:	RTS-223202A
Expiry date:	March 2025

### 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

QA / QC Representative:



Andrew Galeeba-M

 Date: 13<sup>th</sup> February 2023

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**DEPC Water**

For research or further manufacturing use only

Catalog No:	BIO-72005
Lot No:	SF611-B114640
Storage Conditions:	-20°C
Component Lot No:	DWT-123902A
Expiry date:	March 2025

**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/μL RNase.	Passed

QA / QC Representative:



Andrew Galeeba-M

Date: 13<sup>th</sup> February 2023

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