



Certificate of Analysis

COA No: CA_BSM-0018

Version: 02

SensiFAST™ SYBR Lo-ROX One-Step Kit

For Research Use Only

Storage Conditions: -20°C

Lot number: SFSL1S-617111B

Expiry date: December 2019

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 |

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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-717111B

Expiry date: December 2019

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: 02

Reverse Transcriptase

For Research Use Only

Storage Conditions: -20°C

Lot number: RTS-717211A

Expiry date: December 2019

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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Certificate of Analysis

COA No: CA_BS-0020

Version: 02

DEPC Water

For Research Use Only

Storage Conditions: -20°C

Lot number: DWT-717110B

Expiry date: December 2019

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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