



Certificate of Analysis

COA No: CA_BMM-0010

Version: 03

MyTaq One-Step RT-PCR Mix

For Research Use Only

Storage Conditions: -20°C

Lot number: MTOS-718407A

Expiry date: August 2020

Quality Control Parameters

| Analysis | Specification | Result |
|---------------------|---|--------|
| Functional | Fragments of sizes 1000bp and 1400bp were amplified with a dilution series of mouse RNA, using standard conditions and 45 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 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_XBE-0031

Version: 03

RNase Inhibitor

Suitable for Research and further Manufacturing Use as an IVD component

Storage Conditions: -20°C

Lot number: RI-718307A

Expiry date: August 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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Certificate of Analysis

COA No: CA_BEM-0010

Version: 03

Reverse Transcriptase

For Research Use Only

Storage Conditions: -20°C

Lot number: RTS-718307A

Expiry date: August 2020

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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|  <small>A Medline I. B. Science Company</small> | <h2>Certificate of Analysis</h2> | COA No: CA_XBS-0020 |
| | | Version: 03 |

| | | |
|---|---------------------|-------------|
| <h1>DEPC Water</h1> <p>Suitable for Research and further Manufacturing Use as an IVD component</p> | Storage Conditions: | -20°C |
| | Lot number: | DWT-718204A |
| | Expiry date: | August 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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