



Certificate of Analysis

COA No: CA_BMM-0010

Version: 01

MyTaq One-Step RT-PCR Mix

For Research Use Only

| | |
|---------------------|---------------|
| Storage Conditions: | -20°C |
| Lot number: | MTOS-414111 |
| Expiry date: | December 2016 |

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 BE-0031

Version: 01

RNase Inhibitor

For Research Use Only

| | |
|---------------------|---------------|
| Storage Conditions: | -20°C |
| Lot number: | RI-414111 |
| Expiry date: | December 2016 |

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: 01

Reverse Transcriptase

For Research Use Only

| | |
|---------------------|---------------|
| Storage Conditions: | -20°C |
| Lot number: | RTS-414111 |
| Expiry date: | December 2016 |

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: 01

DEPC Water

For Research Use Only

| | |
|---------------------|---------------|
| Storage Conditions: | -20°C |
| Lot number: | DWT-213109 |
| Expiry date: | December 2016 |

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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