



## Certificate of Analysis

COA No: CA BMM-0007

Version: 01

### BIO-X-ACT™ Short Mix

For Research Use Only

Storage Conditions: -20°C

Lot number: BXSX:313105

Expiry date: May 2015

### Quality Control Parameters

| Analysis            | Specification   | Result |
|---------------------|---|--------|
| Functional          | A 2.4Kb fragment is amplified with a dilution series of human genomic DNA, using standard conditions and 30 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 a reference 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. | Passed |

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## Certificate of Analysis

COA No: CA BB-0014

Version: 01

### MgCl<sub>2</sub> Solution, 50mM

For Research Use Only

|                     |          |
|---------------------|----------|
| Storage Conditions: | -20°C    |
| Lot number:         | MG:111G  |
| Expiry date:        | May 2015 |

### Quality Control Parameters

| Analysis            | Specification   | Result |
|---------------------|---|--------|
| Functional          | Fragments of sizes 800bp and 3000bp are amplified with a dilution series of BIOTAQ™ DNA Polymerase, using standard conditions and 30 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 a reference 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. | Passed |

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