



Certificate of Analysis

COA No: CA BEM-0016

Version: 01

MyFi DNA Polymerase

For Research Use Only

| | |
|---------------------|-------------|
| Storage Conditions: | -20°C |
| Lot number: | MF-515107 |
| Expiry date: | August 2017 |

Quality Control Parameters

| Analysis | Specification | Result |
|---------------------|--|--------|
| Functional | Fragment of size 525bp is amplified with a dilution series of MyFi DNA Polymerase, using standard conditions and 35 cycles. Fragments of sizes 7Kb and 1300bp are amplified with a dilution series of human genomic DNA, using standard conditions and 35 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 2.5×10^{-3} U DNase. | Passed |

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Certificate of Analysis

COA No: CA BB-0040

Version: 01

MyFi™ Buffer

For Research Use Only

Storage Conditions: -20°C

Lot number: MFB-515107

Expiry date: August 2017

Quality Control Parameters

| Analysis | Specification | Result |
|---------------------|---|--------|
| Functional | Fragments of sizes 525bp and 7Kb were amplified with a dilution series of human genomic DNA, using standard conditions and 35 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 2.5×10^{-3} U DNase. | Passed |

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