



Certificate of Analysis

COA No: CA_XBE-0001-2

Version: 03

MyTaq™ DNA Polymerase

For Research Use Only

Storage Conditions: -20°C

Lot number: MT-818110B

Expiry date: November 2020

Quality Control Parameters

| Analysis | Specification | Result |
|---------------------|---|--------|
| Functional | A 3Kb fragment is amplified with a dilution series of human genomic DNA and a dilution series of enzyme, 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 2.5×10^{-3} U DNase. | Passed |

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|  <small>A Mediatech Life Sciences Company</small> | <h2>Certificate of Analysis</h2> | COA No: CA_XBB-0025 |
| | | Version: 03 |

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|--|---------------------|---------------|
| <h1>MyTaq™ Reaction Buffer</h1> Suitable for Research and further Manufacturing Use as an IVD component | Storage Conditions: | -20°C |
| | Lot number: | MTB-818110B |
| | Expiry date: | November 2020 |

Quality Control Parameters

| Analysis | Specification | Result |
|---------------------|---|--------|
| Functional | Fragment of size 1200bp was 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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