



## Certificate of Analysis

COA No: CA BEM-0003

Version: 01

# MangoTaq DNA Polymerase

For Research Use Only

Storage Conditions: -20°C

Lot number: BTLM-214205

Expiry date: May 2016

## Quality Control Parameters

Analysis	Specification	Result
Functional	Fragment of size 3Kb is amplified with a dilution series of Taq DNA Polymerase, using standard conditions and 30 cycles. Fragment of size 800bp 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

Authorised by Jade James

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## Certificate of Analysis

COA No: CA BB-0008

Version: 01

### MangoTaq Buffer Colored

For Research Use Only

Storage Conditions: -20°C

Lot number: NHMR-314205

Expiry date: May 2016

### Quality Control Parameters

Analysis	Specification	Result
Functional	Fragment of size 3000bp was amplified with a dilution series of Lambda DNA and a dilution series of MangoTaq™, 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-0007

Version: 01

### MangoTaq Buffer Colorless

For Research Use Only

Storage Conditions: -20°C

Lot number: NHM-314105

Expiry date: May 2016

### Quality Control Parameters

Analysis	Specification	Result
Functional	Fragment of size 3000bp was amplified with a dilution series of MangoTaq™, using standard conditions and 30 cycles. Fragment of size 800bp was 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-314105

Expiry date: May 2016

### 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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