

MangoTaq™ DNA Polymerase

For research or further manufacturing use only

Catalog No:	BIO-21083
Lot No:	PL331-B098940
Storage Conditions:	-20°C
Component Lot No:	BTLM-921308A
Expiry date:	September 2023

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 2.5×10^{-3} U DNase.	Passed

QA / QC Representative:



Andrew Galeeba-M

Date: 25th August 2021

United Kingdom

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MangoTaq™ Buffer Colourless

For research or further manufacturing use only

Catalog No:	BIO-21083
Lot No:	PL331-B098940
Storage Conditions:	-20°C
Component Lot No:	NHM-121108A
Expiry date:	September 2023

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 2.5×10^{-3} U DNase.	Passed

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MangoTaq™ Buffer Coloured

For research or further manufacturing use only

Catalog No:	BIO-21083
Lot No:	PL331-B098940
Storage Conditions:	-20°C
Component Lot No:	NHMR-121108A
Expiry date:	September 2023

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 2.5×10^{-3} U DNase.	Passed

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MgCl₂ Solution, 50mM

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Catalog No:	BIO-21083
Lot No:	PL331-B098940
Storage Conditions:	-20°C
Component Lot No:	MG-2031.013
Expiry date:	September 2023

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 2.5×10^{-3} U DNase.	Passed

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