

MangoTaq™ DNA Polymerase

For research or further manufacturing use only

Catalog No:	BIO-21083
Lot No:	PL331-B105170
Storage Conditions:	-20°C
Component Lot No:	BTLM-922302A
Expiry date:	March 2024

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: 10th March 2022

United Kingdom

 Tel: +44 (0)20 8830 5300
 Fax: +44 (0)20 8452 2822

USA

 Tel: +1 901.382.8716
 Fax: +1 901.382.0027

Germany

 Tel: +49 (0)3371 60222 00
 Fax: +49 (0)3371 60222 01

Australia

 Tel: +61 (0)2 9209 4180
 Fax: +61 (0)2 9209 4763

MangoTaq™ Buffer Colourless

For research or further manufacturing use only

Catalog No:	BIO-21083
Lot No:	PL331-B105170
Storage Conditions:	-20°C
Component Lot No:	NHM-122202A
Expiry date:	March 2024

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

QA / QC Representative:



Andrew Galeeba-M

Date: 10th March 2022

United Kingdom

Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

USA

Tel: +1 901.382.8716
Fax: +1 901.382.0027

Germany

Tel: +49 (0)3371 60222 00
Fax: +49 (0)3371 60222 01

Australia

Tel: +61 (0)2 9209 4180
Fax: +61 (0)2 9209 4763

MangoTaq™ Buffer Coloured

For research or further manufacturing use only

Catalog No:	BIO-21083
Lot No:	PL331-B105170
Storage Conditions:	-20°C
Component Lot No:	NHMR-122202A
Expiry date:	March 2024

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

QA / QC Representative:



Andrew Galeeba-M

 Date: 10th March 2024

United Kingdom

 Tel: +44 (0)20 8830 5300
 Fax: +44 (0)20 8452 2822

USA

 Tel: +1 901.382.8716
 Fax: +1 901.382.0027

Germany

 Tel: +49 (0)3371 60222 00
 Fax: +49 (0)3371 60222 01

Australia

 Tel: +61 (0)2 9209 4180
 Fax: +61 (0)2 9209 4763

MgCl₂ Solution, 50mM

For research or further manufacturing use only

Catalog No:	BIO-21083
Lot No:	PL331-B105170
Storage Conditions:	-20°C
Component Lot No:	MG-2031.014
Expiry date:	March 2024

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

QA / QC Representative:



Andrew Galeeba-M

 Date: 10th March 2022

United Kingdom

 Tel: +44 (0)20 8830 5300
 Fax: +44 (0)20 8452 2822

USA

 Tel: +1 901.382.8716
 Fax: +1 901.382.0027

Germany

 Tel: +49 (0)3371 60222 00
 Fax: +49 (0)3371 60222 01

Australia

 Tel: +61 (0)2 9209 4180
 Fax: +61 (0)2 9209 4763