meridian BIOSCIENCE ™ LIFE DISCOVERED. LIFE DIAGNOSED.	Certificate of Analysis	COA No: CA_XBE-0001
		Version: 07

BIOTAQ™ DNA Polymerase

For Research and Further Manufacturing use only

Catalog No:	BIO-21060
Lot No:	PL313-B112100
Storage Conditions:	-20°C
Component Lot No:	BT-222111A
Expiry date:	December 2024

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 *E. coli* 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: 15th November 2022

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meridian BIOSCIENCE ™ LIFE DISCOVERED. LIFE DIAGNOSED.	**Certificate of Analysis**	**COA No: CA XBB-0001**
		Version: 07

# NH_4 Buffer, 10x For research or further manufacturing use only	Catalog No:	BIO-21060
	Lot No:	PL313-B112100
	Storage Conditions:	-20°C
	Component Lot No:	NH-222111A
	Expiry date:	December 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. Fragment of size 3000bp is amplified with a dilution series of Lambda DNA template, 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 *E. coli* 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 x 10^{-3} U DNase.	Passed

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		Version: 08

# $MgCl_2$ Solution, 50mM For research or further manufacturing use only		
	Catalog No:	BIO-21060
	Lot No:	PL313-B112100
	Storage Conditions:	-20°C
	Component Lot No:	MG-2031.015
	Expiry date:	December 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 *E. coli* 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 x 10^{-3} U DNase.	Passed

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