meridian BIOSCIENCE™ LIFE DISCOVERED. LIFE DIAGNOSED.	**Certificate of Analysis**	**COA No: CA_XBB-0025-2**
		Version: 07

Taq PCR Buffer, 5x

For research or further manufacturing use only

Catalog No:	MDX001
Lot No:	EN002-B121870
Storage Conditions:	-20°C
Component Lot No:	MTB-323210A
Expiry date:	NOV 2025

Quality Control Parameters

Optimized for use with Taq DNA Polymerase (Cat# MDX001) and Taq HS DNA Polymerase (Cat# MDX008)

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 *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

QA / QC Representative: Birce Hacisevki  Date: 19th October 2023

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meridian BIOSCIENCE ™ LIFE DISCOVERED. LIFE DIAGNOSED.	**Certificate of Analysis**	**COA No: CA_XBE-0001-4**
		Version: 05

Taq DNA Polymerase

Suitable for Research and further Manufacturing Use

Catalog No:	MDX001
Lot No:	EN002-B121870
Storage Conditions:	-20°C
Component Lot No:	MT-223110A
Expiry date:	NOV 2025

Quality Control Parameters

DNA Polymerase provided with optimized buffer system for fast PCR reactions across a range of templates

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 x 10^{-3} U DNase.	Passed

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