meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA_BSM-0013-2
		Version: 06

Taq HS DNA Polymerase

For research or further manufacturing use only

Catalog No:	MDX008
Lot No:	EN011-B127050
Storage Conditions:	-20°C
Component Lot No:	MTH-224404E
Expiry date:	May 2026

Quality Control Parameters

Antibody-mediated hot-start enzyme ideal for fast multiplex reactions. Robust performance with low-copy number targets even in the presence of PCR inhibitors

Analysis	Specification	Result
Functional	Fragments of sizes 525bp, 750bp, 900bp and 1300bp are 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 control 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 I.	Passed

QA / QC Representative: J. Rahnenführer Date: 30th April 2024

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meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA_XBB-0025-2
		Version: 07

Taq PCR Buffer, 5x

For research or further manufacturing use only

Catalog No:	MDX008
Lot No:	EN011-B127050
Storage Conditions:	-20°C
Component Lot No:	MTB-324304B
Expiry date:	May 2026

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

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