

Certificate of Analysis

COA No: CA_BMM-0033

Version: 02

High-Specificity Pfu HS Mix

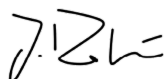
For Research and Further Manufacturing use only

Catalog No:	MDX006
Lot No:	EM110-B127900
Storage Conditions:	-20°C
Component Lot No:	424105B
Expiry date:	June 2026

Quality Control Parameters

Analysis	Specification	Result
Activity	Quantitative PCR analysis amplifying 2 genes from a dilution series of the mix under standard conditions. Cq and melting profiles must be consistent for the test and reference sample with ± 0.5 Cq variance.	Passed
Sensitivity	961, 793, 649, 548, 332 and 196 bp fragments are amplified with a dilution series of Human genomic DNA, using standard conditions and 35 cycles. Six distinct bands were observed with agarose gel electrophoresis (ethidium stained). 2400 bp fragment is amplified with a dilution series of Human genomic DNA, using standard conditions and 35 cycles. One distinct band is observed with agarose gel electrophoresis.	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:



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Date: 30th May 2024

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