

High-Specificity Pfu HS Mix

For Research and Further Manufacturing use only

Catalog No:	MDX006
Lot No:	EM110-B109880
Storage Conditions:	-20°C
Component Lot No:	022207A
Expiry date:	August 2024

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:



Andrew Galeeba-M

 Date: 1st August 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