

**NGS High-Fidelity Pfu Buffer, 10x**

For research or further manufacturing use only

Catalog No:	MDX038
Lot No:	CP051-B102730
Storage Conditions:	-20°C
Component Lot No:	PRB-021112A
Expiry date:	January 2024

**Quality Control Parameters**

Optimized for use with High-Fidelity Pfu (Cat# MDX003)

Analysis	Specification	Result
Functional	Fragment size of 1200bp is amplified from a specific dilution series of template DNA under defined conditions. The reactions are analysed using agarose gel electrophoresis (ethidium stained). A 1200bp band should be observed from dilution 1 to 9.	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 $2.5 \times 10^{-3}$ U DNase.	Passed

QA / QC Representative:



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Date: 21<sup>th</sup> December 2021

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