

**Taq Dilution Buffer**

For research or further manufacturing use only

Catalog No:	MDX007
Kit No:	EN086-B101760
Storage Conditions:	-20°C
Component Lot No:	TDB-121211B
Expiry date:	December 2023

**Quality Control Parameters**

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

Analysis	Specification	Result
Functional	A 3Kb fragment was amplified with a dilution series of Taq Dilution Buffer, using standard conditions and 30 cycles. A 3Kb fragment was amplified with a dilution series of Taq Polymerase, 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 <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: 24<sup>th</sup> November 2021

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