

**NH<sub>4</sub> Buffer, 10x**

For research or further manufacturing use only

Catalog No:	BIO-37025
Lot No:	ES541-B114730
Storage Conditions:	-20°C
Component Lot No:	NH-223102B
Expiry date:	March 2025

**Quality Control Parameters**

Analysis	Specification	Result
Functional	Fragments of sizes 800bp and 3000bp are amplified with a dilution series of BIOTAQ™ DNA Polymerase, using standard conditions and 30 cycles. Fragment of size 3000bp is amplified with a dilution series of Lambda DNA template, 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: 9<sup>th</sup> February 2023

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