meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA_BDB-0025-2
		Version: v05

Enzyme Dilution Buffer

For research or further manufacturing use only

Catalog No:	MDX078
Lot No:	B360550
Storage Conditions:	-20°C
Lot number:	425112A
Expiry date:	January 2028

Quality Control Parameters

Enzyme Dilution Buffer is a glycerol-free 10x buffer used for the dilution of Taq antibody or reverse transcriptase.

Analysis	Specification	Result
Functional	A 3Kb fragment was amplified with a dilution series of Enzyme 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
Glycerol determination	Glycerol content is < 0.2% determined by spectrophotometric analysis and comparison to a standard curve.	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of *E. coli* 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 6.25×10^{-4} KU/µL.	Passed
RNase contamination	Quantitative PCR analysis with high and low RNase standards. Test sample must show less RNase activity than the limit of detection: 9.7×10^{-3} ng/µl RNase.	Passed

QA / QC Representative: J. Rahnenführer Date: 8th December 2025

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

Info@meridianlifescience.com; www.meridianlifescience.com