meridian BIOSCIENCE	Certificate of Analysis	COA No: CA_SUP-0004 (CA BNN-0001-2)
		Version: 01

Na-dNTP Mix 100mM

Suitable for Research and further Manufacturing Use

Catalog No:	MDX084
Lot No:	B121010
Storage Conditions:	-20°C
Component Lot No:	B121010
Retest date:	March 2024

Quality Control Parameters

Analysis	Specification	Result
Functional	A 3Kb Lambda DNA fragment is amplified with a dilution series of dNTPs, 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 *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 2.5 x 10^{-3} U DNase.	Passed
RNase contamination	Quantitative PCR analysis with high and low RNase standards. Test sample must show less RNase activity than the limit of detection 9.7x10^{-3} ng/µL RNase.	Passed
Nicking Activity	Incubation of dNTP mix with supercoiled control plasmid. Analysed by agarose gel electrophoresis. Test sample does not show an increase of linearized or relaxed plasmid.	Passed

QA / QC Representative:  Andrew Galeeba-M Date: 20th September 2023

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