

CERTIFICATE OF ANALYSIS

Catalog #:	MDX096	Lot #:	1E12720
Description:	dUTP, 100 mM (Sodium Salt) 2'-Deoxyuridine-5'-Triphosphate Sodium Salt Solution		
Purity:	≥ 99% by HPLC (Triphosphate Content)		
pH (22-25°C):	7.0 ± 0.1		
Functional Test:	A 800 bp human genomic DNA fragment is amplified with a dilution series of dUTP, using standard conditions and 30 cycles. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained). Results: 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. Results: PASSED		
DNase Contamination:	Incubation of a 1 Kb double stranded DNA fragment. Incubation for 4 hours at 37°C with dilution series of DNase I. Analyzed by agarose gel electrophoresis. Test sample must show less degradation than the limit of detection, 2.5 x 10 ⁻³ U DNase. Results: 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 x 10 ⁻³ ng/μL RNase. Results: PASSED		
Nicking Activity:	Incubation of dUTP with supercoiled control plasmid. Analyzed by agarose gel electrophoresis. Test sample does not show an increase of linearized or relaxed plasmid. Results: PASSED		
Re-Test Date:	Two years from date of manufacture.		
Applications:	For use in PCR, cDNA synthesis, DNA sequencing and labeling procedures.		
Storage:	Store at -20°C. Avoid freeze/thaw cycles or exposure to frequent temperature changes.		
Safety Note(s):	Refer to the appropriate Safety Data Sheet (SDS) for additional information.		

Bianca Gale

06 MAY 2020

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY