



Certificate of Analysis

100 mM dNTP Set PCR Grade

Product No. 10297117

Lot No. 1254202

Description:

100 mM dNTP Set, dATP, dCTP, dGTP, and dTTP (2'-deoxynucleoside 5'-triphosphate) are suitable for use in PCR, sequencing, fill-in, nick translation, cDNA synthesis, and TdT tailing reactions, as well as for dilution of radiolabeled dNTPs. The nucleotides are supplied as convenient, ready-to-use solutions.

Components	Volume	Concentration
dATP	1.25 ml	95–110 mM
dCTP	1.25 ml	95–110 mM
dGTP	1.25 ml	95–110 mM
dTTP	1.25 ml	95–110 mM

λ max Determination Assay

Specifications: The determined λ max values must be within the following ranges:

dATP: 259 nm \pm 1 nm

dCTP: 271 nm \pm 1 nm

dGTP: 253 nm \pm 1 nm

dTTP: 267 nm \pm 1nm

Results: Meet specifications.

Purity Determination Assay

Specification: The purity for both test replicates must be >99% by Ultra Performance Liquid Chromatography (UPLC).

Result: Meets specification.

Please Note: Test results "meet specification" indicates that the specifications were met each time the product was tested for this parameter.

All products are for research use only. Caution: Not intended for human or animal diagnostic or therapeutic uses. If you have any further questions about this Certificate of Analysis, please contact Technical Services at 1–800–955–6288 (US and Canada) or 1–760–603–7200, x2 (all other countries).

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