

# dNTPs

## deoxyribonucleotides

### CERTIFICATE OF ANALYSIS

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#RP65	dNTPs deoxyribonucleotides
Quantity:	1 ml
Batch Number:	DAZ726774
Expiry Date:	12.2022
Concentration:	dNTPs MIX 40 mM Total (10 mM of each dNTP)
Storage conditions:	Store at -20°C upon receipt. Avoid multiple freezing/thawing cycles. Aliquoting is recommended.
Shipping conditions:	Shipping on dry or blue ice.
Specification:	The molecular grade dNTPs are available as a set of four separate buffered dNTPs solutions (dNTPs SET) and also as accurate mixtures of ultrapure deoxynucleoside 5'-triphosphates (dATP, dCTP, dGTP, dTTP), ready to use in PCR, RT-PCR and Real-Time PCR applications (dNTPs MIX). Ready-to-use dNTPs MIX guarantees high amplification efficiency and prevents incorrect incorporation of dNTP in the synthesized DNA strand. Deoxyribonucleotides are a crucial component of PCR reaction and their chemical purity has a significant influence on the PCR reaction results. They are supplied as lithium salts solutions (at pH 7.5 in purified PCR grade water), which provide extended stability and resistance to repeated freezing and thawing cycles. High quality: the highest purity, determined by means of enzymatic synthesis and high resolution HPLC (> 99% dNTP, < 1% dNDP).

### QUALITY CONTROL

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Functionality tested in PCR reactions. No unspecific nucleases (DNases, RNases) activity detected.

Quality authorized by: Justyna Leibner-Ciszak      Date: 17.12.2019

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