



PRODUCT INFORMATION

dNTP Mix, 10 mM each, molecular biology grade

Pub. No. MAN0013133

Rev. Date 22 September 2017 (Rev. B.00)

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Assembling Lot 00000000

Filling Lot 00000000

Expiry Date MM.YYYY

Store at -20 °C

Components	#R0191	#R0192	#R0193
dNTP Mix, 10 mM each	0.2 mL	1 mL	5 x 1 mL

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For Research Use Only. Not for use in diagnostic procedures.

Description

dNTP Mix contains aqueous solution of dATP, dCTP, dGTP and dTTP, each at a final concentration of 10 mM.

The Mix offers the possibility to reduce the number of pipetting steps and the risk of reaction set up errors.

Applications

For use in PCR, real-time PCR, high fidelity and long PCR, LAMP-PCR, cDNA synthesis, RT-PCR, RDA, MDA, DNA labeling, and DNA sequencing.

Rev.10



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CERTIFICATE OF ANALYSIS

Purity is ≥ 99 % for each dNTP, used for dNTP Mix preparation (determined by HPLC).

pH is 7.3-7.5 for each dNTP, used for dNTP Mix preparation (determined according to Ph. Eur. 2.2.3).

Endo- and exonucleases.

No detectable degradation after incubation of single-stranded or double-stranded radiolabeled oligonucleotides with each dNTP used for dNTP Mix preparation.

Ribonucleases. No detectable degradation was observed after incubation of RNA transcript with each dNTP.

Nicking activities. No detectable degradation was observed after incubation of supercoiled plasmid DNA with each dNTP.

***E.coli* DNA.** Quantitative PCR test, which uses amplification of *E.coli* 23S rRNA gene fragment did not detect *E.coli* DNA.

Human DNA. Quantitative PCR which uses amplification of human genomic DNA fragment did not detect human DNA.

Functional test. 1 PCR amplification of 5 kb DNA fragment from series of lambda DNA dilutions using *Pfu* DNA polymerase.

Quality authorized by:



Jurgita Zilinskiene

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