

CERTIFICATE OF ANALYSIS

dNTP Mix



N025

Amt: 40 µmoles
Volume: 1000 µl

Lot: 45

Store at -20C

Conc.: 10 mM aqueous solution of each nucleotide
(pH 7.0)

Method of production: fermentative synthesis

For more details
scan the code



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Description:

Deoxynucleotide solution mix is an equimolar solution of ultrapure dATP, dCTP, dGTP and dTTP.

Application:

- 1) For use in molecular biology and biotechnology, including PCR, long-PCR, and for labeling and sequencing DNA.
- 2) PCR-diagnostics for medicine.

Quality control assays

Test for detection of endo- and exo-deoxyribonuclease and phosphatase contaminants: No detectable degradation of single-stranded and double-stranded oligonucleotide was observed after incubation of dNTP mix for 3 hours at 37° C

Test for detection of RNase contaminants: No detectable degradation of fluorescent-marked oligonucleotide was observed after incubation of dNTP mix for 30 minutes at 37° C.

Functional test: The product has been tested for receiving products with length more than 15,000 base pairs with T7 phage DNA as a template.

Note: dNTPs may precipitate in a freezer and will be redissolved again at short heating (37° C, shaking for 1-2 min) without influence on dNTP properties.