

PHENIX dNTP Sets & Mastermix

- Available as individual solutions or in a Mastermix configuration
- Ultra-pure quality, functionality tested in a wide range of assays
- Enzymatic synthesis of dNTPs for total absence of PCR inhibitors
- Manufactured in a purpose-built factory for ultimate in purity & consistency

Ultra-Pure dNTPs

PHENIX Ultra-pure dNTPs are enzymatically synthesized from premium quality raw materials, using highly specific production systems in a purpose built facility. The manufacturing process eliminates impurities and PCR-specific inhibitors such as modified nucleotides, tetraphosphates and pyrophosphates commonly observed in other commercially available dNTP products. PHENIX dNTPs are purified with quantitative HPLC and possess at least 99% purity.

Validated for a wide range of applications

Our dNTP sets possess the highest level of purity in the industry, and have been validated for use in a variety of molecular biology applications including, standard PCR, long range PCR (20Kb), hot-start PCR, real-time PCR, reverse transcription assays, cDNA synthesis, sequencing, site-direct mutagenesis, microarrays, DHPC, etc. A high level of performance for results you can trust. The dNTPs are tested for the absence of DNase, RNase, Protease and Nickase activity and the absence of human, viral and bacterial DNA. Each batch is purified with quantitative HPLC and undergoes functional tests with a wide range of assays to guarantee outstanding results

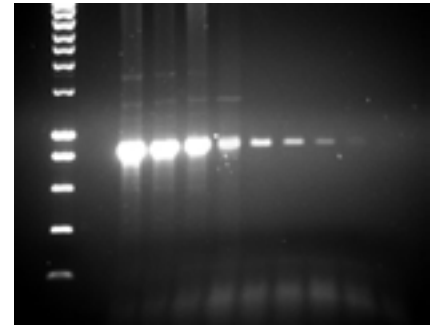
Improved Stability and Extended Shelf-Life

All our dNTPs are supplied as Lithium salts in purified water at pH 7.5. Lithium salts have greater resistance to repeated freezing and thawing cycles than Sodium salts, and Lithium salt dNTP preparations remain sterile over the entire shelf-life due to the bacteriostatic activity of Lithium towards various microorganisms.

Ordering Information

Cat No	Description	Unit	Price
DNTP-250	100mM Individual dNTP solutions 4 x 25µmol	4 x 250µl	\$125.00
DNTP-1000	100mM Individual dNTP solutions 4 x 25µmol	4 x 1ml	415.00
DNTP-M500	40mM Mastermix (10mM ea)	1 x 500µl	50.00
DNTP-M500-4	40mM Mastermix (10mM ea)	4 x 500µl	180.00

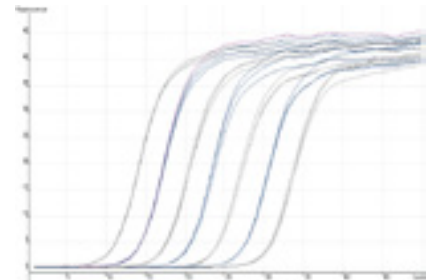
Generation of Highest-Quality cDNA



Reverse Transcription PCR

Template dilution experiment: Various quantities (as indicated) of total HeLa cell RNA were reverse-transcribed using Bioline dNTPs, BioScript and oligo (dT)18 primer in a 20µl reaction, i.e.: (1) 50ng, (2) 25ng, (3) 10ng, (4) 1ng, (5) 500pg, (6) 250pg, (7) 100pg, (8) 50pg and (9) 0pg. Subsequently, 5µl of each reaction were used in conjunction with β-Actin primer to amplify an 860bp band. Marker is HyperLadder I.

Highly Efficient qPCR Reactions



dNTPs are validated for use in qPCR experiments.