

Deoxyribonucleotide triphosphate (dNTPs), exACTGene™



Ultrapure dNTPs will enhance results for the following procedure: qPCR*, high fidelity, PCR, long template (>8kb) PCR, RT-PCR, fluorescent sequencing, cDNA synthesis, Pyrosequencing* and *in vitro* mutagenesis. **BPE2594-250** contains 250µL of each dNTP. **BPE2595-200** contains 200µL containing 10mM dATP, dCTP, dGTP and dTTP.



- >99% triphosphate
- Chemically synthesised to meet a high purity standard
- Tested for purity by HPLC, performance in long templates PCR and absence of DNase, RNase and protease activity to ensure dependable performance and lot-to-lot consistency

Catalogue No	Quantity
BPE2590-250	250µL 100mM dATP
BPE2591-250	250µL 100mM dGTP
BPE2592-250	250µL 100mM dCTP
BPE2593-250	250µL 100mM dTTP
BPE2594-250	250µL 100mM dNTP set (250µL each dNTP)
BPE2594-500	500µL 100mM dNTP set (500µL each dNTP)
BPE2595-200	200µL 10mM dNTP mix (200µL containing 10mM dATP, dCTP, dGTP and dTTP)
BPE2595-1	1,000µL 10mM dNTP mix

Superior quality control standards

To ensure dependable performance and lot-to-lot consistency, each lot of exACTGene. dNTPs is tested for the following: absence of DNase, RNase, and protease activity; purity by HPLC; performance in PCR with 500bp and 6kb templates.

Applications such as qPCR and long template PCR require high-purity nucleotides to ensure optimum sensitivity. exACTGene NTPs (deoxynucleoside triphosphates) are chemically synthesised nucleotides that have been developed to meet a high purity standard, ensuring consistent results across many rigorous applications.

Purchase of this product is accompanied by a limited licence to use it in the Polymerase Chain Reaction (PCR) process for research in conjunction with a thermal cycler whose use in the automated performance of the PCR process is covered by the up-front licence fee, either by payment to Applied Biosystems or as purchased, i.e., an authorised thermal cycler.

This product is distributed for laboratory research use only. Under no circumstances may it be used for diagnostic purposes. The safety and efficiency of this product in diagnostic or other clinical uses has not been established.

NOTE: Fisher BioReagents and exACTGene™ are trademarks of Fisher Scientific Company L.L.C

Nucleotide triphosphate mix 10mM solution of each dATP, dCTP, dGTP, dTTP



This premixed solution is used for PCR*. Supplied as 10mM solution in purified water (pH7.5). Functionally tested in PCR. High purity: >98% triphosphate.



Catalogue No	Quantity
BPE2565-1	200µL
BPE2565-2	1mL
BPE2565-2K	200µL

Deoxyribonucleotide triphosphate (dNTP) mix, Thermo Scientific ABgene



LE

For PCR*, RT-PCR, DNA labelling, site-directed mutagenesis.

- A combined mix of dATP, dCTP, dGTP and dTTP
- dNTPs pre-mixed for convenience

Concentration

20mM (5mM each) for **PCR-340-010W**.
100mM (25mM each) for **PCR-345-010P**.

Storage

Store below 0°C, preferably at -20°C, in a constant temperature freezer. Shipped on ice.

Catalogue No	Alt. No	Description	Quantity, mL	Pack qty
PCR-340-010W	AB-0196	dNTP mix (total concentration 20mM)	1.0	1
PCR-345-010P	AB-1124	dNTP mix (total concentration 100mM)	1.0	1

Deoxyribonucleotide triphosphate (dNTP) set, Thermo Scientific ABgene



LE

For PCR*, RT-PCR, DNA labelling, DNA sequencing, site-directed mutagenesis.

A set of separate vials of dATP, dCTP, dGTP and dTTP.

Concentration

10mM (dNTP Set).
100mM (dNTP Set high concentration).

Storage

Store below 0°C, preferably at -20°C, in a constant temperature freezer.

Catalogue No	Alt. No	Description	Quantity
PCR-350-010P	AB-0241	dNTP set	5µmol
PCR-350-100X	AB-0315/A	dNTP set (high concentration)	4 x 25µmol
PCR-350-200K	AB-0315/B	dNTP set (high concentration)	4 x 100µmol
PCR-350-300G	AB-0315/C	dNTP set (high concentration)	4 x 250µmol

*Polymerase Chain Reaction (PCR) is a process covered by patents owned by Hoffman-La Roche

For a full range of cryogenic storage solutions, please see pages 326 to 379

