

PureStrand™ 40mM dNTP Mix

Catalog No.	Pack Size and Concentration	Components
AZ-1261	1 x 500 µl, 40mM	20 µmol dNTP Mix
AZ-1264	4 x 500 µl, 40mM	80 µmol dNTP Mix

Description

The PureStrand™ 40mM dNTP Mix is comprised of a convenient pre-mix of ultra-pure dATP, dCTP, dGTP and dTTP for use in all standard and sensitive PCR applications. Purity of dNTPs is essential for any PCR, Real-Time PCR and cDNA Synthesis application as inhibitors and contaminants can interfere with DNA polymerases and template. PureStrand™ Ultra-Pure dNTPs are purified using exacting processes to eliminate the presence of PCR-specific inhibitors such as tetraphosphates and pyrophosphates. The presence of contaminating impurities can result in a decrease in amplification sensitivity and product yield.

The performance of each lot of PureStrand 40mM dNTP Mix is tested in PCR, long PCR and qPCR for sensitivity and reproducibility.

- >99% Triphosphate Purity by HPLC
- Free of contaminating impurities and PCR inhibitors
- DNase, RNase, Nickase and Protease Free
- Shelf-Life of 24 months at –20°C

Storage

PureStrand™ 40mM dNTP Mix is shipped on blue ice and should be stored at –20°C upon receipt. Excessive freeze/thawing should be avoided. When stored as specified, PureStrand™ 40mM dNTP Mix is stable for 24 months from date of receipt.

Usage Guidelines for dNTP Mix

- 40mM dNTP Mix contains 10mM of each dNTP. We suggest the use of 1.25 µl PureStrand™ 40mM dNTP Mix in a 50 µl PCR reaction.
- AZ-1261 is sufficient for 400 PCR reactions of 50 µl.

Quality Control

PureStrand™ 40mM dNTP Mix is tested extensively for contamination prior to release. PureStrand™ dNTPs are >99% pure by HPLC and are free of DNase, RNase, Protease, phosphatase and nicking activity.

Limitations of Use

This product is intended for research purposes and is not intended for any animal or human therapeutic use.