Yeastern Biotech Co., Ltd

Product Use Limitation & Warranty

This product is intended to be used for life science research only. It has not been approved for drug or diagnostic purpose. YEASTERN's products should not be resold, modified for resale, or used to manufacture commercial products without written approval by YEASTERN. YEASTERN guarantees the performance of all products in the manner described in our protocol. The purchaser must determine the suitability of the product for its particular use. Should any product fail to perform satisfactorily due to any reason other than misuse, YEASTERN will replace it free of charge.

Ver. L0925

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Deoxynucleotides

Cat. No.

FYT013-200UL
FYT014-100UL
FYT015-100UL
FYT016-100UL
FYT017-100UL

Deoxynucleotides

Storage: - 20 °C

Description

Yeastern Biotech offers deoxynucleotides (dNTPs) with high purity for use in many molecular biology procedures that involve DNA synthesis or labeling, such as PCR, RT-PCR, real-time PCR, DNA sequencing, and etc. The dNTPs from Yeastern Biotech are free of endo- and exodeoxyribonuclease, ribonuclease, phosphatase and nicking activities. They are also highly stable during long-term storage at -20°C as well as multiple freeze-thaw cycles. When stored at room temperature for 7 weeks, about 90-95% of dNTPs could still remain in the triphopsphate form. The stability of our dNTPs in PCR is also tremendously high. Eighty to ninety percents of dNTPs are present in the triphopsphate form even after 30 cylces of PCR.

Application

1. Standard PCR, real-time PCR, Lamp-PCR
2. Reverse Transcription (cDNA synthesis) and RT-PCR
3. RDA, MDA, DNA sequencing and labeling

Quality Control

- dCTP, dATP, dGTP and dTTP are all in the form of sodium salt (pH 8.3); >99% dCTP (HPLC), <0.9% dCDP.
- Greater than 99% purity of each component confirmed by HPLC. Functionally tested in PCR with Taq and Pfu DNA Polymerases. The absence of endo-, exodeoxyribonuclease, ribonuclease and nicking activities confirmed by appropriate tests.

Cat. No.	Product	Concentration	Volume
FYT013-200UL	dNTP	10 mM	200 µl
dNTP is a premixed solution containing the sodium salts of dATP, dCTP, dGTP and dTTP, each at a concentration of 10 mM in water.			
FYT014-100UL	dCTP	100 mM	100 µl
Sodium salts, solution, pH 8.3, >99% dCTP (HPLC), <0.9% dCDP.			
FYT015-100UL	dATP	100 mM	100 µl
Sodium salts, solution, pH 8.3, >99% dATP (HPLC), <0.9% dADP.			
FYT016-100UL	dGTP	100 mM	100 µl
Sodium salts, solution, pH 8.3, >99% dGTP (HPLC), <0.9% dGDP.			
FYT017-100UL	dTTP	100 mM	100 µl
Sodium salts, solution, pH 8.3, >99% dTTP (HPLC), <0.9% dTDP.			

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