

100mM dNTP Mixture

Research Use Only

Product Code

13001

Component

100mM dNTP Mixture (each 25 mM) 1.0 ml

Storage Condition

Store at -20°C

Description

Each 25mM dATP, dCTP, dGTP and dTTP is aqueous solution at pH 7.0.

Each product is ready-to-use solution designed to save time and to provide higher reproducibility in PCR and other applications

Features

- Ultra-pure: $\geq 99\%$ triphosphate by HPLC
- Free from PCR inhibitors
- DNase, RNase and Nickase free

Specification

dATP

- 2'-deoxyadenosine-5'-triphosphate - M.W.: 514.9 g/mol - λ_{\max} pH 7.0: 259 nm
- A250/A260: 0.78 ± 0.03 - A280/A260: 0.15 ± 0.02 - Purity: $\geq 99\%$ by HPLC

dCTP

- 2'-deoxycytidine-5'-triphosphate - M.W.: 490.9g/mol - λ_{\max} pH 7.0: 272nm
- A250/A260: 0.82 ± 0.03 - A280/A260: 0.98 ± 0.03 - Purity: $\geq 99\%$ by HPLC

dGTP

- 2'-deoxyguanosine-5'-triphosphate - M.W.: 530.9 g/mol - λ_{\max} pH 7.0: 252nm
- A250/A260: 1.16 ± 0.05 - A280/A260: 0.66 ± 0.03 - Purity: $\geq 99\%$ by HPLC

dTTP

- 2'-deoxythymidine-5'-triphosphate - M.W.: 505.9 g/mol - λ_{\max} pH 7.0: 267nm
- A250/A260: 0.65 ± 0.03 - A280/A260: 0.73 ± 0.02 - Purity: $\geq 99\%$ by HPLC

Storage and Stability

100mM dNTP Mixture is stable for 2 years when stored in a constant temperature freezer at less than -20°C.

Made in KOREA

This product was manufactured through ISO 9001 & 13485 system.