


dTTP - Sodium salt solution

2'-Deoxythymidine-5'-triphosphate, Sodium salt

| Cat. No. | Amount |
|------------|-----------------|
| DTTP_200UL | 200 µl (100 mM) |
| DTTP_250UL | 250 µl (100 mM) |
| DTTP_1ML | 1 ml (100 mM) |
| DTTP_10ML | 10 ml (100 mM) |
| DTTP_25ML | 25 ml (100 mM) |
| DTTP_50ML | 50 ml (100 mM) |
| DTTP_100ML | 100 ml (100 mM) |
| DTTP_200ML | 200 ml (100 mM) |

Description:

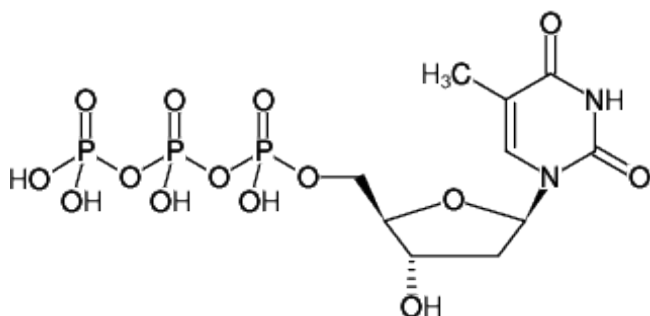
dTTP, PCR-grade is supplied as ultrapure aqueous solution (pH 8.5) and suitable for all molecular biology applications including PCR/qPCR, reverse transcription, DNA labeling and DNA sequencing.

Selected References:

Holland *et al.* (1991) Detection of specific polymerase chain reaction product by utilizing the 5'→3' exonuclease activity of *Thermus aquaticus* DNA polymerase. *Proc. Natl. Acad. Sci. USA* **88** (16):7276.

Erlich *et al.* (1988) Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase. *Science* **29** (239):487.

Sanger *et al.* (1977) DNA sequencing with chain-terminating inhibitors. *Proc. Natl. Acad. Sci. USA* **74**:5463.



Structural formula of dTTP - Sodium salt solution

For *in vitro* use only!

Shipping: shipped on blue ice

Storage Conditions: store at -20 °C

Additional Storage Conditions: Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Shelf Life: 24 months from certification date

Molecular Formula: C₁₀H₁₇N₂O₁₄P₃ (free acid)

Molecular Weight: 482.17 g/mol (free acid)

CAS#: 18423-43-3

Purity: ≥ 99.0 % (HPLC)

Form: clear aqueous solution

Concentration: 100 mM - 110 mM

pH: 8.5 ± 0.2 (22 °C)

Spectroscopic Properties: λ_{max} 267 nm, ε 9.5 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.0)