



dCTP - Sodium salt solution

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

Cat. No.	Amount
DCTP_200UL	200 µl (100 mM)
DCTP_250UL	250 µl (100 mM)
DCTP_1ML	1 ml (100 mM)
DCTP_10ML	10 ml (100 mM)
DCTP_25ML	25 ml (100 mM)
DCTP_50ML	50 ml (100 mM)
DCTP_100ML	100 ml (100 mM)
DCTP_200ML	200 ml (100 mM)

Description:

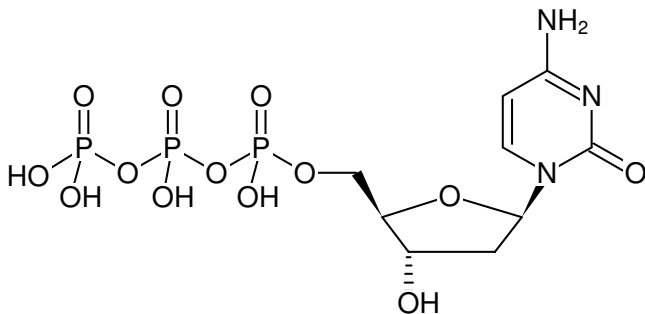
dCTP, PCR-grade is supplied as ultrapure aqueous solution (pH 8.5) and suitable for all molecular biology applications including PCR/qPCR, reverse transcription, DNA labeling and DNA sequencing.

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 dCTP - 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: C₉H₁₆N₃O₁₃P₃ (free acid)

Molecular Weight: 467.15 g/mol (free acid)

CAS#: 102783-51-7

Purity: ≥ 99.0 % (HPLC)

Form: clear aqueous solution

Concentration: 100 mM - 110 mM

pH: 8.5 ±0.2 (22 °C)

Spectroscopic Properties: λ_{max} 271 nm, ε 8.9 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)