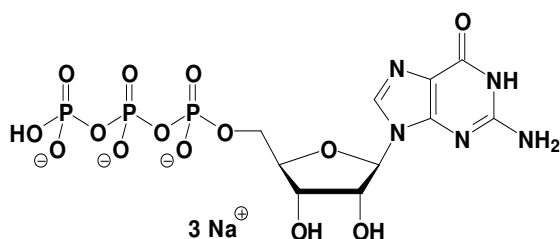


dGTP

2'-Deoxyguanosine 5'-triphosphate, 100 mM sodium salt solution

	Cat. No.	Volume	Amount
	DGTP_100ML	100 ml	100 mM
	DGTP_1000ML	1000 ml	100 mM



Structural formula of dGTP - Solution

For *in vitro* use only!

Shipping: shipped on blue ice

Storage Conditions: store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible. If stored as recommended, Jena Bioscience guarantees optimal performance of this product for 12 months after date of delivery.

Shelf Life: 12 months

Molecular Formula: C₁₀H₁₃N₅O₁₃P₃ (Anion)

Molecular Weight: 504.16 g/mol (Anion)

CAS#: 93919-41-6

Purity: ≥ 99 % (HPLC)

Form: clear aqueous solution

Concentration: 100 mM - 110 mM

pH: 8.5 ± 0.2 (22 °C)

Spectroscopic Properties: λ_{max} 252 nm;
 ε 14.2 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.0)

Description:

dGTP, 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.