

PRODUCT INFORMATION

100mM dGTP

v. 230101

Catalog number	C15007-1ML
Set Package	1 mL
Description	Deoxyguanosine triphosphate (dGTP) is a nucleoside triphosphate used in cells for DNA synthesis. A nucleoside triphosphate is a molecule type that contains a nucleoside with three phosphates bound to it. It can be used in PCR, RT, qPCR, RT qPCR, NGS and other molecular biology experiments. The concentration of this product is 100 mM, diluted with ultrapure water as a sodium salt at pH 7.5.
Concentration	100 mM
Components	dGTPs (100 mM each)
Product Name	2'-Deoxyguanosine-5'-triphosphate, sodium salt solution
Molecular Formula	C ₁₀ H ₁₃ N ₅ Na ₃ O ₁₃ P ₃
Molecular Weight	573.13
CAS No	93919-41-6
Purity (HPLC)	≥99.0%
pH	7.5±0.2
λ max	267nm±2nm
Properties	Colorless transparent solution
Abs (pH 7.5)	A ₂₅₀ /A ₂₆₀ = 1.11-1.19 ; A ₂₈₀ /A ₂₆₀ = 0.63-0.69
Storage Temperature	-20°C
Note	Can be diluted using sterile distilled water, preferably Milli-Q® water, or sterile TE (10 mM Tris-HCl, 1 mM EDTA, pH 7.5).
QC Process	<ol style="list-style-type: none">1. Purity is above 99% detected by HPLC.2. Free of detectable DNA exonuclease and endonuclease.3. No residual host genomic DNA detected by PCR.4. Free of RNase activity.

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