

dNTP Set (High Concentration)

FS-013-1

4 X 250 ul

Description

Ready-to-Use dNTP Solutions are in Sodium Salt for use in DNA polymerization Reactions all DNA labeling and Sequencing processes

dATP solution - Sodium Salt - 100 mM

Description:

Ultrapure dATP supplied as sodium salt in purified water (pH 8.5).

Molecular Formula: C₁₀H₁₆N₅O₁₂P₃ (free acid)

Molecular Weight: 491.18 g/mol (free acid)

CAS#: 1927-31-7

Purity: ≥ 99 % (HPLC)

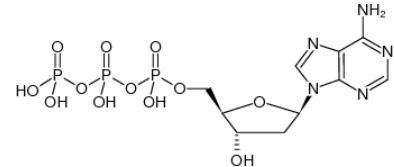
Form: clear aqueous solution, pH 8.5 ± 0.1 (4 °C)

Concentration: 100-110 mM

pH: 8.5 ± 0.1

Spectroscopic Properties: λ_{max} 259 nm; ε 15.4 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.0)

Quality Control Specifications: 18 kb long range PCR (template dilution series): suitable; contamination with bacterial and human DNA: not detectable; activity of DNase, Protease or Phosphatase: not detectable.



dCTP solution - Sodium Salt 100 mM

Description:

Ultrapure dCTP supplied as sodium salt in purified water (pH 8.5).

Molecular Formula: C₉H₁₆N₃O₁₃P₃ (free acid)

Molecular Weight: 467.15 g/mol (free acid)

CAS#: 109909-44-6

Purity: ≥ 99 % (HPLC)

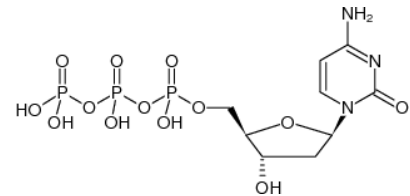
Form: clear aqueous solution, pH 8.5 ± 0.1 (4 °C)

Concentration: 100-110 mM

pH: 8.5 ± 0.1

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

Quality Control Specifications: 18 kb long range PCR (template dilution series): suitable; contamination with bacterial and human DNA: not detectable; activity of DNase, Protease or Phosphatase: not detectable



dGTP solution - Sodium Salt 100 mM

Description:

Ultrapure dGTP supplied as sodium salt in purified water (pH 8.5).

Molecular Formula: C₁₀H₁₆N₅O₁₃P₃ (free acid)

Molecular Weight: 507.18 g/mol (free acid)

CAS#: 2564-35-4

Purity: ≥ 99 % (HPLC)

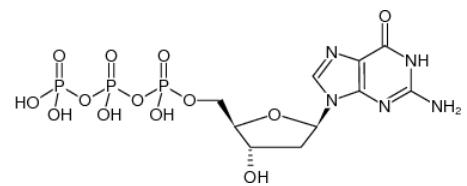
Form: clear aqueous solution, pH 8.5 ± 0.1 (4 °C)

Concentration: 100-110 mM

pH: 8.5 ± 0.1

Spectroscopic Properties: λ_{max} 252 nm; ε 13.7 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.0)

Quality Control Specifications: 18 kb long range PCR (template dilution series): suitable; contamination with bacterial and human DNA: not detectable; activity of DNase, Protease or Phosphatase: not detectable



dTTP solution - Sodium Salt 100 mM

Description:

Ultrapure dTTP supplied as sodium salt in purified water (pH 8.5).

Molecular Formula: C₁₀H₁₇N₂O₁₄P₃ (free acid)

Molecular Weight: 482.17 g/mol (free acid)

CAS#: 3624-46-2

Purity: ≥ 99 % (HPLC)

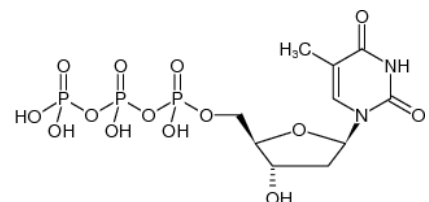
Form: clear aqueous solution, pH 8.5 ± 0.1 (4 °C)

Concentration: 100-110 mM

pH: 8.5 ± 0.1

Spectroscopic Properties: λ_{max} 267 nm; ε 9.6 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.0)

Quality Control Specifications: 18 kb long range PCR (template dilution series): suitable; contamination with bacterial and human DNA: not detectable; activity of DNase, Protease or Phosphatase: not detectable



dNTP SET MIX

DESCRIPTION:

Contains all 4 dNTPs in a pre-mixed solution, ready for immediate use. For procedures requiring unlabeled mixtures of all 4 dNTPs such as PCR or cDNA synthesis.

PURITY:

97-99% by HPLC, PCR reaction is successful for the template up to 10 kb length indicating high purity and absence of deleterious terminators

DNA Polymerization Mix 10

FS-013-2

10 mM each dNTP, each 5 μ mol volume 500 μ l

DNA Polymerization Mix 20

FS-013-4

20 mM each dNTP, each 10 μ mol volume 500 μ l

Storage Conditions: store at -20 °C

Stability: 24 months