

Nucleotides

TruePure™ Nucleotides

Highest purity and stability for High-End PCR

Includes:

· TruePure™ dNTP



Advantages & Features:

- ✓ **Highest purity:** > 99% confirmed by HPLC.
- ✓ **Highly stable.**
- ✓ **Proven performance for PCR.**
- ✓ **High Quality:** free of DNase, protease, phosphatase, nuclease, Human or *E. coli* DNA contamination.

Applications:

- ✓ For use in all common Molecular Biology applications, such as:
 - PCR.
 - cDNA synthesis.
 - Real-time PCR.
 - DNA sequencing.
 - High fidelity and long PCR.
 - DNA amplification.
 - RT-PCR.

Quality control:

- ✓ TruePure™ dNTPs Certification: Functionally tested in 18 kb long range PCR (template dilution from 20 to 1,000 pg), with a proofreading enzyme and by RT-PCR.
- ✓ Exempt of DNase, protease, phosphatase, nuclease, Human or *E. coli* DNA activities guaranteed by appropriate quality tests.

TruePure™ dATP

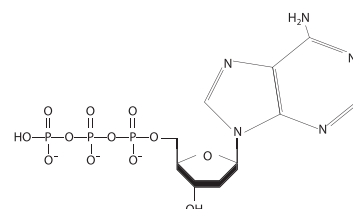


Ordering info:

Cat No.	Size
N0093-S	40 µmol: 0.2 mL of 100 mM solution
N0093	40 µmol: 0.4 mL of 100 mM solution

Specifications:

Formula: C₁₀H₁₆N₅O₁₂P₃
Molecular Weight: 491.18 g/mol
 λ_{\max} pH 7.0= 259 nm
 ϵ at λ_{\max} , pH 7.0= 15.4 mmol⁻¹ cm⁻¹
Purity: > 99% confirmed by HPLC
Concentration: 100 mM
pH: 8.5



TruePure™ dCTP

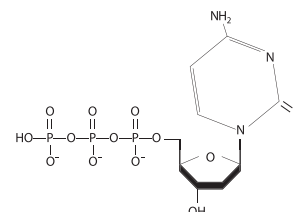


Ordering info:

Cat No.	Size
N0094-S	40 µmol: 0.2 mL of 100 mM solution
N0094	40 µmol: 0.4 mL of 100 mM solution

Specifications:

Formula: C₉H₁₆N₃O₁₃P₃
Molecular Weight: 467.15 g/mol
 λ_{\max} pH 7.0= 271 nm
 ϵ at λ_{\max} , pH 7.0= 8.9 mmol⁻¹ cm⁻¹
Purity: > 99% confirmed by HPLC
Concentration: 100 mM
pH: 8.5



TruePure™ dGTP

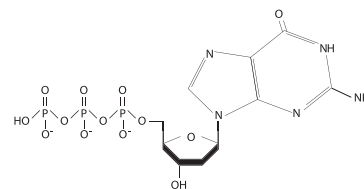


Ordering info:

Cat No.	Size
N0095-S	40 µmol: 0.2 mL of 100 mM solution
N0095	40 µmol: 0.4 mL of 100 mM solution

Specifications:

Formula: C₁₀H₁₆N₅O₁₃P₃
Molecular Weight: 507.18 g/mol
 λ_{\max} pH 7.0= 252 nm
 ϵ at λ_{\max} , pH 7.0= 13.7 mmol⁻¹ cm⁻¹
Purity: > 99% confirmed by HPLC
Concentration: 100 mM
pH: 8.5



TruePure™ dTTP

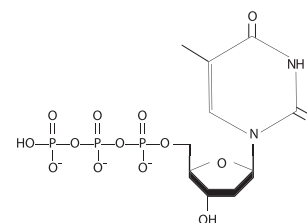


Ordering info:

Cat No.	Size
N0096-S	40 µmol: 0.2 mL of 100 mM solution
N0096	40 µmol: 0.4 mL of 100 mM solution

Specifications:

Formula: C₁₀H₁₇N₂O₁₄P₃
Molecular Weight: 482.17 g/mol
 λ_{\max} pH 7.0= 267 nm
 ϵ at λ_{\max} , pH 7.0= 9.6 mmol⁻¹ cm⁻¹
Purity: > 99% confirmed by HPLC
Concentration: 100 mM
pH: 8.5



Deoxynucleotides (dNTPs)

TruePure™ dNTP Mix



Description:

TruePure™ dNTP Mixes are solutions with each dNTP (dATP, dCTP, dGTP, dTTP) mixed at a final concentration of either 8, 10 or 100 mM total.

Advantages & Features:

- ✓ **Highest purity:** > 99% of each component confirmed by HPLC.
- ✓ **High Quality:** free of DNase, protease, phosphatase, nuclease, human or *E. coli* DNA contamination.
- ✓ **Time-saving:** ready-to-use format that eliminates experiment preparation time.
- ✓ **Highly stable.**
- ✓ **Proven performance for PCR.**

Related products:

- Horse-Power™ Taq DNA Polymerase (p.103)
- FastPANGEA™ High Fidelity Polymerase (p.105)

Ordering info:

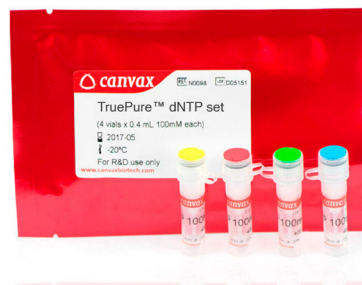
Cat No.	Size
N0030	5 x 1 mL 2 mM each (8mM total)
N0031	5 x 1 mL 2.5 mM each (10mM total)
N0032	1 mL 25 mM each (100mM total)

Includes:

- Premixed aqueous solutions of dATP, dTTP, dCTP and dGTP (pH 8.5)



TruePure™ dNTP set



Description:

TruePure™ dNTP set includes 4 vials, a separate vial of each dNTP (dATP, dCTP, dGTP, dTTP). Each dNTP are in aqueous solution at 100 mM.

Advantages & Features:

- ✓ **Highest purity:** > 99% of each component confirmed by HPLC.
- ✓ **Time-saving:** ready-to-use format that eliminates experiment preparation time.
- ✓ **Highly stable.**
- ✓ **Proven performance for PCR.**
- ✓ **High Quality:** free of DNase, protease, phosphatase, nuclease, human or *E. coli* DNA contamination.

Related products:

- Horse-Power™ Taq DNA Polymerase (p.103)
- FastPANGEA™ High Fidelity Polymerase (p.105)
- AMV-RT (p.110)
- MMLV-RT (p.110)

Ordering info:

Cat No.	Size
N0098-S	4 x 0.2 mL of 100 mM
N0098	4 x 0.4 mL of 100 mM

Includes:

- 1 vial of each dNTP (dATP, dCTP, dGTP, dTTP) in aqueous solution at 100 mM each (pH 8.5)

