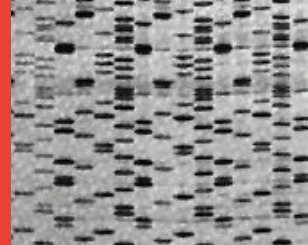


Thermo Scientific PurePeak® ddNTPs



Ultra-high purity dideoxyribonucleoside triphosphates (ddNTPs) are ideally suited for the most sensitive molecular biology research applications

Thermo Scientific PurePeak® ddNTPs are manufactured to the highest purity standards to be compatible with cycle sequencing and chain termination (Sanger) sequencing.

- **The Right Purity**

Extensively purified to yield a minimum of 99% in triphosphate form for optimal experimental results

Low levels of contaminants and overall nucleoside purity of $\geq 98.0\%$

- **Flexibility**

Ready-to-use 10 mM or 100 mM solutions in highly purified water with Na^+ at neutral pH to ensure functionality and long-term stability

Custom formulations, mix options, and volumes from milliliters to multiple liters to meet any application requirement

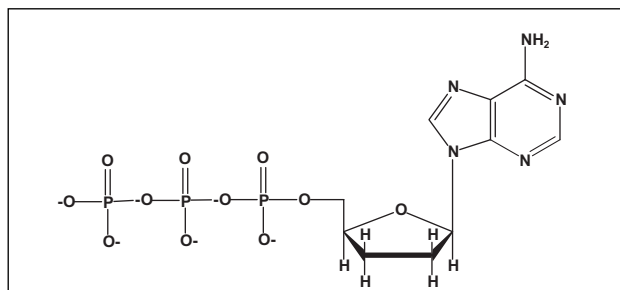
- **Quality Assurance**

Manufactured in ISO9001 registered facility

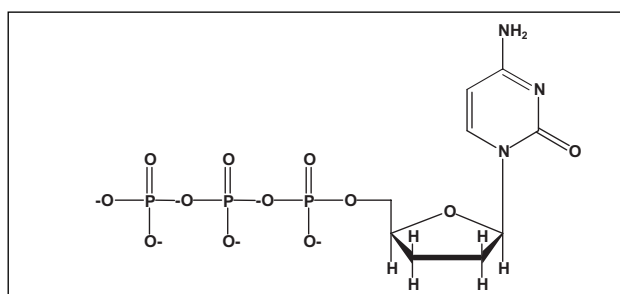
Refining nucleic acid chemistries for over 30 years, our established technical expertise and documented manufacturing systems ensure lot-to-lot quality and consistency.

Certificate of Analysis supplied with each batch

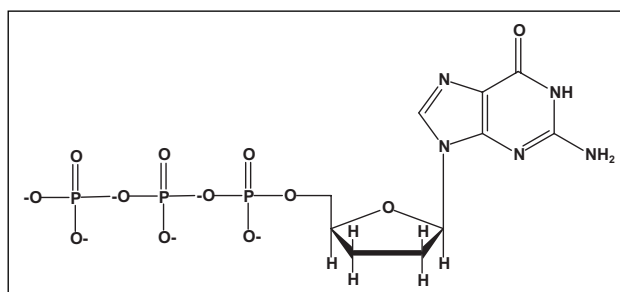
Proven World Class delivery performance



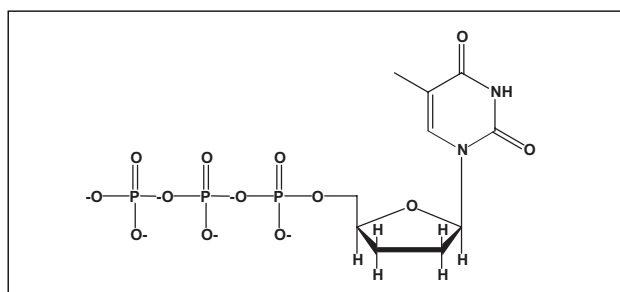
PurePeak ddATP



PurePeak ddCTP



PurePeak ddGTP



PurePeak ddTTP

Product Attributes

Product Name	Chemical Formula	Molecular Weight	Lambda Max
PurePeak ddATP (2', 3'-Dideoxyadenosine 5'-triphosphate)	C ₁₀ H ₁₂ N ₅ O ₁₁ P ₃ Na ₄	563.1	259nm @ pH 7.5
PurePeak ddCTP (2', 3'-Dideoxycytidine 5'-triphosphate)	C ₉ H ₁₂ N ₃ O ₁₂ P ₃ Na ₄	539.1	280nm @ pH 2.0
PurePeak ddGTP (2', 3'-Dideoxyguanosine 5'-triphosphate)	C ₁₀ H ₁₂ N ₅ O ₁₂ P ₃ Na ₄	579.1	253nm @ pH 7.5
PurePeak ddTTP (2', 3'-Dideoxythymidine 5'-triphosphate)	C ₁₀ H ₁₃ N ₂ O ₁₃ P ₃ Na ₄	554.1	267nm @ pH 7.5

Product Specifications

	100 mM Solution	10 mM Solution
Concentration	100 ± 3 mM	10 ± 0.3 mM
Salt Form	Sodium	Sodium
Nucleotide Purity	≥ 99%	≥ 99%
Nucleoside Purity	≥ 98.0%	≥ 98.0%
pH	7.2 ± 0.2	7.5 ± 0.2
Sodium Ion Concentrations	400 ± 100 mM	40 ± 10 mM

Ordering Information

Product Name	Product #
PurePeak ddATP, 100 mM	NU2010
PurePeak ddCTP, 100 mM	NU2020
PurePeak ddGTP, 100 mM	NU2030
PurePeak ddTTP, 100 mM	NU2040
PurePeak ddATP, 10 mM	NU2310
PurePeak ddCTP, 10 mM	NU2320
PurePeak ddGTP, 10 mM	NU2330
PurePeak ddTTP, 10 mM	NU2340

Related Products

- Thermo Scientific ATP, crystalline
- Thermo Scientific PurePeak® rNTPs
- Thermo Scientific PurePeak® dNTPs
- Thermo Scientific PurePeak® Polymerization Mix (a mix of 4 dNTPs)
- Thermo Scientific DNA Polymerase 1, Klenow Fragment

For more information visit the web site at
www.thermo.com/milwaukee

Thermo Fisher Scientific (Milwaukee) LLC

We develop integrative partnerships with customers across the globe to provide premium molecular biology reagents and innovative services. These products are used in a variety of applications to advance the development of biotechnology research, diagnostic and therapeutic applications.

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