

dNTPs, molecular grade

Cat No.	Contents	Size	MOQ
Rex-38040	dATP Na solution, 100mM	20ml / 2000µmol	15
Rex-38041	dCTP Na solution, 100mM	20ml / 2000µmol	15
Rex-38042	dGTP Na solution, 100mM	20ml / 2000µmol	15
Rex-38043	dTTP Na solution, 100mM	20ml / 2000µmol	15
Rex-38044	dUTP Na solution 100mM	20ml	10
Rex-38045	dNTP Mix 100mM	500ml	1



Description

The 100mM aqueous solutions of dATP, dCTP, dGTP, dTTP, dUTP are supplied in separate vials or as a pre-mixed solution with a final concentration of 100mM. The nucleotides solutions are titrated to pH 8.5, in sodium salts. The nucleotides are of extremely high purity and are validated for molecular biology assays.

Features:

Chemically synthesised

≥99% purity

Free from PCR, qPCR and reverse-transcription inhibitors

Validation

The dNTPs have been validated on many applications including PCR, long-range PCR, qPCR, cDNA synthesis, reverse-transcription assays and DNA sequencing

Storage

At -20°C for ≤24 months, avoid multiple freeze/thaw

Certification

Manufactured in DE under ISO 9001 and ISO 14001

Shipment

On blue-ice or dry-ice

HS Code: 29349990

CAS#: 1927-31-7

	dATP	dCTP	dGTP	dTTP
Product	dATP Sodium 100mM solution	dCTP Sodium 100mM solution	dGTP Sodium 100mM solution	dTTP Sodium 100mM solution
Nomenclature	2'-deoxyadenosine-5'triphosphate	2'-deoxycytidine-5'triphosphate	2'-deoxyguanosine-5'triphosphate	2'-deoxythymidine-5'triphosphate
Formula	C ₁₀ H ₁₆ N ₅ O ₁₂ P ₃ (free acid)	C ₉ H ₁₆ N ₅ O ₁₃ P ₃ (free acid)	C ₁₀ H ₁₆ N ₅ O ₁₃ P ₃ (free acid)	C ₁₀ H ₁₇ N ₂ O ₁₄ P ₃ (free acid)
Mol. Weight (acid free)	491.18 g/mol	467.15 g/mol	507.18 g/mol	482.17 g/mol
A250nm/A260nm	0.78 ± 0.03	0.82 ± 0.03	1.16 ± 0.05	0.65 ± 0.03
A280nm/A260nm	0.15 ± 0.02	0.98 ± 0.03	0.66 ± 0.03	0.73 ± 0.02
Concentration	100mM ± 5%	100mM ± 5%	100mM ± 5%	100mM ± 5%
Appearance	Clear colourless solution	Clear colourless solution	Clear colourless solution	Clear colourless solution
pH of solution	8.5 ± 0.02 (22°C)	8.5 ± 0.02 (22°C)	8.5 ± 0.02 (22°C)	8.5 ± 0.02 (22°C)
dNTP (HPLC area)	≥99%	≥99%	≥99%	≥99%
DNases, RNases, Nicking activity	Negative	Negative	Negative	Negative
Storage	at -20°C	at -20°C	at -20°C	at -20°C
Stability	≤24 months	≤24 months	≤24 months	≤24 months