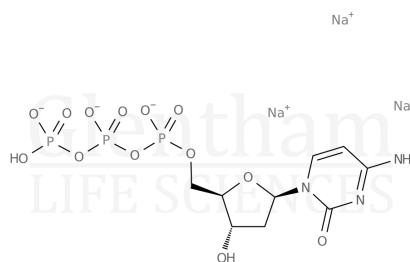


## Certificate of Analysis

Product Name	2"-Deoxycytidine-5"-triphosphate trisodium salt (dCTP); 100mM solution
Glentham Code	GE9221
CAS Number	109909-44-6
Additional CAS	102783-51-7 ( $\cdot 2\text{Na}$ )
Batch Number	387MFF

Molecular Weight	533.10
Molecular Formula	$\text{C}_9\text{H}_{13}\text{N}_3\text{Na}_3\text{O}_{13}\text{P}_3$
Storage Temp.	-20°C



Property	Specification	Batch 387MFF
Physical Description	Clear, colourless liquid	Clear, colourless liquid
Concentration	95 - 105 mmol/L (spectrophotometry)	102 mmol/L
Purity (HPLC)	$\geq 99.0\%$ (triphosphate content)	99.6%
pH	6.9 - 7.1 (20 - 25 °C)	7.1
Wavelength of Maximum Absorption ( $\lambda_{\text{max}}$ )	270 - 274 nm	271 nm
DNase	Not detected	Conforms
RNase	Not detected	Conforms
Suitability for PCR	To pass test	Conforms

Specification Version	v1.0
Manufacture Date	2020-10-19
Re-Test Date	2027-10-06

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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