

## PRODUCT INFORMATION

**100mM dCTP**

v. 230101

<b>Catalog number</b>	C15008-1ML
<b>Set Package</b>	1 mL
<b>Description</b>	Deoxycytidine triphosphate (dCTP) is a nucleoside phosphate in being comprised of a deoxyribonucleoside and three phosphate units. This means that it has a deoxyribose as its sugar constituent with three phosphate units attached. Its nucleoside contains a pyrimidine base. It can be used in PCR, RT, qPCR, RT-qPCR, NGS and other molecular biology experiments. The concentration of this product is 100 mM, diluted with ultrapure water as a sodium salt at pH 7.5.
<b>Concentration</b>	100 mM
<b>Components</b>	dCTPs (100 mM each)
<b>Product Name</b>	2'-Deoxycytidine-5'-triphosphate, sodium salt solution
<b>Molecular Formula</b>	$C_9H_{13}N_3Na_3O_{13}P_3$
<b>Molecular Weight</b>	533.10
<b>CAS No</b>	109909-44-6
<b>Purity (HPLC)</b>	≥99.0%
<b>pH</b>	7.5±0.2
<b>λ max</b>	272nm±2nm
<b>Properties</b>	Colorless transparent solution
<b>Abs (pH 7.5)</b>	A250/A260=0.79-0.85 ; A280/A260=0.93-1.03
<b>Storage Temperature</b>	-20°C
<b>Note</b>	Can be diluted using sterile distilled water, preferably Milli-Q® water, or sterile TE (10 mM Tris-HCl, 1 mM EDTA, pH 7.5).
<b>QC Process</b>	Purity is above 99% detected by HPLC. Free of detectable DNA exonuclease and endonuclease. No residual host genomic DNA detected by PCR. Free of RNase activity.

*For Research Use Only.*