

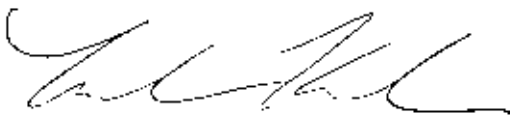
New England Biolabs Certificate of Analysis

Product Name: 5-methyl-dCTP
Catalog Number: N0356S
Concentration: 10 mM
Packaging Lot Number: 10077391
Expiration Date: 07/2023
Storage Temperature: -20°C
Storage Conditions: Supplied in Milli-Q® water as an ammonium salt, pH 7.0
Specification Version: PS-N0356S v1.0

5-methyl-dCTP Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0356SVIAL	5-methyl-dCTP	10077392	Pass

Assay Name/Specification	Lot # 10077391
Protein Purity Assay (HPLC) 5-methyl-dCTP is ≥ 95% pure as determined by HPLC analysis.	Pass
Functional Testing (Methylase Protection) A 500 bp DNA amplicon was generated in two PCR reactions using Vent DNA Polymerase, dATP, dGTP, dTTP, and either dCTP or 5-methyl-dCTP. The 500 bp fragments from each reaction were digested with 5mC methyl sensitive enzymes HpaII and MspI and then electrophoresed on an agarose gel. The 5-methyl-dCTP product failed to be cut by these enzymes, whereas the dCTP product was digested by both enzymes.	Pass

This product has been tested and shown to be in compliance with all specifications.



Michael Kuska
Production Scientist
14 Jul 2020



Josh Hersey
Packaging Quality Control Inspector
14 Jul 2020