

New England Biolabs Certificate of Analysis

Product Name: 5-methyl-dCTP
Catalog Number: N0356S
Concentration: 10 mM
Packaging Lot Number: 10054779
Expiration Date: 10/2022
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	10054780	Pass

Assay Name/Specification	Lot # 10054779
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.



Nancy Considine
Production Scientist
16 Oct 2019



Michael Tonello
Packaging Quality Control Inspector
16 Oct 2019