

New England Biolabs Certificate of Analysis

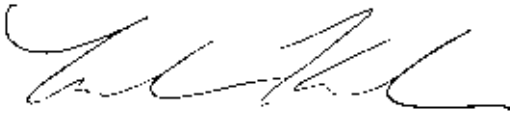
Product Name: 5-methyl-dCTP
Catalog Number: N0356S
Concentration: 10 mM
Packaging Lot Number: 10113566
Expiration Date: 03/2026
Storage Temperature: -20°C
Storage Conditions: Supplied in Milli-Q® water as a triethylammonium salt
Specification Version: PS-N0356S v3.0

5-methyl-dCTP Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0356SVIAL	5-methyl-dCTP	10183465	Pass

Assay Name/Specification	Lot # 10113566
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 AluI and HinP1I 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
Physical Purity (HPLC) 5-methyl-dCTP is ≥ 95% pure as determined by HPLC analysis.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Michael Kuska
Production Scientist
23 Mar 2023



Josh Hersey
Packaging Quality Control Inspector
23 Mar 2023