

New England Biolabs Certificate of Analysis

Product Name: 3'-O-Me-m7G(5')ppp(5')G RNA Cap Structure Analog
Catalog Number: S1411L
Unit Definition:
Lot Number: 10019695
Expiration Date: 06/2021
Storage Temperature: -20°C
Storage Conditions: Supplied as a lyophilized Sodium salt
Specification Version: PS-S1411S/L v1.0

3'-O-Me-m7G(5')ppp(5')G RNA Cap Structure Analog Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result

Assay Name/Specification	Lot # 10019695
<p>Functional Testing (Incorporation using RNA Polymerase) A 20 µl reaction in RNA Polymerase Reaction Buffer in the presence of 4 mM NTPs +/- 3'-O-Me-m7G(5')ppp(5')G RNA Cap Structure Analog containing 2 µg of template DNA and 50 units of T7 RNA Polymerase incubated for 2 hours at 37°C results in the expected product as determined by polyacrylamide gel electrophoresis.</p>	Pass
<p>Molecular Weight Determination (Mass Spectrometry) The molecular weight of 3'-O-Me-m7G(5')ppp(5')G RNA Cap Structure Analog is between 815.46 and 817.46 as determined by mass spectrometry analysis.</p>	Pass
<p>Physical Purity (HPLC) 3'-O-Me-m7G(5')ppp(5')G RNA Cap Structure Analog is ≥ 95% pure as determined by HPLC analysis.</p>	Pass

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

Andreas Schalk
Production Scientist
26 Jun 2018



Josh Hersey
Packaging Quality Control Inspector
16 Aug 2018