

New England Biolabs Certificate of Analysis

Product Name: Histone H3.1/H4 Tetramer Human, Recombinant
Catalog Number: M2509S
Concentration: 10 μ M
Unit Definition: N/A
Lot Number: 10049350
Expiration Date: 06/2020
Storage Temperature: -20°C
Storage Conditions: 2 M NaCl, 20 mM Tris-HCl, 1 mM DTT, 1 mM EDTA, (pH 8.0 @ 25°C)
Specification Version: PS-M2509S v1.0

Histone H3.1/H4 Tetramer Human, Recombinant Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M2509SVIAL	Histone H3.1/H4 Tetramer Human, Recombinant	10047462	Pass

Assay Name/Specification	Lot # 10049350
Endonuclease Activity (Nicking) A 50 μ l reaction in NEBuffer 2 containing 1 μ g of supercoiled PhiX174 RF I DNA and a minimum of 10 μ g of Histone H3.1/H4 Tetramer Human, Recombinant incubated for 4 hours at 37°C results in <10% conversion to RFII as determined by agarose gel electrophoresis.	Pass
Exonuclease Activity (Radioactivity Release) A 50 μ l reaction in NEBuffer 2 containing 1 μ g of a mixture of single and double-stranded [³ H] E. coli DNA and a minimum of 10 μ g of Histone H3.1/H4 Tetramer Human, Recombinant incubated for 4 hours at 37°C releases <0.1% of the total radioactivity.	Pass
Protease Activity (Histones) A 12 μ l reaction containing 7 μ l of a standard mixture of proteins and a minimum of 10 μ g of Histone H3.1/H4 Tetramer Human, Recombinant incubated for 4 hours at 37°C, results in no detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.	Pass
Protein Purity Assay (SDS-PAGE) Histone H3.1/H4 Tetramer Human, Recombinant is \geq 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	Pass

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

Fana Mersha

Fana Mersha
Production Scientist
17 Jun 2019

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
02 Jul 2019