

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: 10012477
Expiration Date: 06/2019
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 | 10011675 | Pass |

| Assay Name/Specification | Lot # 10012477 |
|--|----------------|
| 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 |
| 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 |
| 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 RFI 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 |

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

Fana Mersha

Fana Mersha
Production Scientist
08 Jun 2018

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
12 Jun 2018