

New England Biolabs Certificate of Analysis

Product Name: Histone H2A/H2B Dimer Human, Recombinant
Catalog Number: M2508S
Concentration: 20 µM
Unit Definition: N/A
Lot Number: 10045636
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-M2508S v1.0

Histone H2A/H2B Dimer Human, Recombinant Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M2508SVIAL	Histone H2A/H2B Dimer Human, Recombinant	10045637	Pass

Assay Name/Specification	Lot # 10045636
Endonuclease Activity (Nicking) A 50 µl reaction in NEBuffer 2 containing 1 µg of supercoiled PhiX174 RF I DNA and a minimum of 10 µg of Histone H2A/H2B Dimer 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 µl reaction in NEBuffer 2 containing 1 µg of a mixture of single and double-stranded [³ H] E. coli DNA and a minimum of 10 µg of Histone H2A/H2B Dimer Human, Recombinant incubated for 4 hours at 37°C releases <0.1% of the total radioactivity.	Pass
Protease Activity (Histones) A 12 µl reaction containing 7 µl of a standard mixture of proteins and a minimum of 10 µg of Histone H2A/H2B Dimer 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 H2A/H2B Dimer Human, Recombinant is ≥ 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
06 Jun 2019

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
10 Jun 2019