

New England Biolabs Certificate of Analysis

Product Name: *Histone H2A/H2B Dimer Human, Recombinant*
Catalog Number: *M2508S*
Concentration: *20 µM*
Unit Definition: *N/A*
Packaging Lot Number: *10081163*
Expiration Date: *09/2021*
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	10081164	Pass

Assay Name/Specification	Lot # 10081163
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.

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Fana Mersha
Production Scientist
29 Oct 2020



Josh Hersey
Packaging Quality Control Inspector
29 Oct 2020