

New England Biolabs Certificate of Analysis

Product Name: *Lambda DNA*
Catalog Number: *N3011L*
Concentration: *500 µg/ml*
Unit Definition: *N/A*
Packaging Lot Number: *10111000*
Expiration Date: *06/2023*
Storage Temperature: *-20°C*
Storage Conditions: *10 mM Tris-HCl (pH 8.0), 1 mM EDTA*
Specification Version: *PS-N3011S/L v2.0*

Lambda DNA Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3011LVIAL	Lambda DNA	10110996	Pass

Assay Name/Specification	Lot # 10111000
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Lambda DNA incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
DNA Concentration (A260) The concentration of Lambda DNA is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Linear DNA) The banding pattern of Lambda DNA on a 1.2% agarose gel is evaluated against a control lot for sharpness and relative intensity as determined by gel electrophoresis using Ethidium Bromide.	Pass
Restriction Digest (Correct Pattern) A 50 µl reaction in NEBuffer 2.1 containing 2.5 µg of Lambda DNA and 20 units of HindIII incubated for 1 hour at 37°C produces the expected pattern of DNA fragments as determined by agarose gel electrophoresis.	Pass
A260/A280 Assay The ratio of UV absorption of Lambda DNA at 260 and 280 nm is between 1.8 and 2.0.	Pass

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

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06 Aug 2021



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06 Aug 2021