

New England Biolabs Certificate of Analysis

Product Name: *Lambda DNA-Mono Cut Mix*
Catalog Number: *N3019S*
Concentration: *500 µg/ml*
Unit Definition: *N/A*
Packaging Lot Number: *10144809*
Expiration Date: *03/2024*
Storage Temperature: *-20°C*
Storage Conditions: *10 mM Tris-HCl (pH 8.0), 1 mM EDTA*
Specification Version: *PS-N3019S/L v1.0*

Lambda DNA-Mono Cut Mix Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3019SVIAL	Lambda DNA-Mono Cut Mix	10144808	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10123372	Pass

Assay Name/Specification	Lot # 10144809
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of λ DNA-Mono Cut Mix incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
A260/A280 Assay The ratio of UV absorption of λ DNA-Mono Cut Mix at 260 and 280 nm is between 1.8 and 2.0.	Pass
DNA Concentration (A260) The concentration of λ DNA-Mono Cut Mix is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (PFGE Marker) The banding pattern of λ DNA-Mono Cut Mix on a 1% CHEF PFG gel shows discrete, clearly identifiable bands at each band of the marker, as determined by gel electrophoresis using Ethidium Bromide.	Pass

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

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20 Apr 2022



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20 Apr 2022