

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: *10240199*
Expiration Date: *04/2026*
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	10236212	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10221491	Pass

Assay Name/Specification	Lot # 10240199
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
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

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

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Production Scientist
12 Apr 2024



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15 Apr 2024