

New England Biolabs Certificate of Analysis

Product Name: λ DNA-Mono Cut Mix
Catalog #: N3019S/L
Concentration: 500 $\mu\text{g/ml}$
Unit Definition: N/A
Lot #: 0201712
Assay Date: 12/2017
Expiration Date: 12/2019
Storage Temp: -20°C
Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA
Specification Version: PS-N3019S/L v1.0
Effective Date: 10 Jul 2017

Assay Name/Specification (minimum release criteria)	Lot #0201712
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 $\mu\text{g/ml}$ 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



Authorized by
Derek Robinson
10 Jul 2017



Inspected by
Vanessa Mathieu-Sheltry
15 Dec 2017

