

New England Biolabs Certificate of Analysis

Product Name: *TriDye™ 2-Log DNA Ladder (0.1 - 10.0 kb)*
Catalog #: *N3270S*
Concentration: *100 µg/ml*
Unit Definition: *N/A*
Lot #: *0111505*
Assay Date: *05/2015*
Expiration Date: *5/2017*
Storage Temp: *4°C*
Storage Conditions: *0.006 % Xylene cyanol , 10 mM Tris-HCl (pH 7.9), 10 mM EDTA , 10 % Glycerol , 0.006 % Bromophenol Blue , 0.06 % Orange G*
Specification Version: *PS-N3270S v1.0*
Effective Date: *24 Apr 2015*

Assay Name/Specification (minimum release criteria)	Lot #0111505
DNA Concentration (A260) - The concentration of TriDye™ 2-Log DNA Ladder (0.1 - 10.0 kb) is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) - The banding pattern of TriDye™ 2-Log DNA Ladder (0.1 - 10.0 kb) on a 1.2% agarose gel shows discrete, clearly identifiable bands at each band of the marker, when stained with Ethidium Bromide at a concentration of 0.5 µg/ml.	Pass
Non-Specific DNase Activity (DNA, 16 hour) - A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of TriDye™ 2-Log DNA Ladder (0.1 - 10.0 kb) 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
24 Apr 2015



Inspected by
Vanessa Mathieu-Sheltry
22 May 2015

