

New England Biolabs Product Specification

Product Name: TriDye™ 1 kb DNA Ladder
Catalog #: N3272S
Concentration: 50 µg/ml
Unit Definition: N/A
Shelf Life: 24 months
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-N3272S v1.0
Effective Date: 16 May 2014

Assay Name/Specification (minimum release criteria)

DNA Concentration (A260) - The concentration of TriDye™ 1 kb DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm.

Electrophoretic Pattern (Marker) - The banding pattern of TriDye™ 1 kb DNA Ladder 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.

Non-Specific DNase Activity (DNA, 16 hour) - A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of TriDye™ 1 kb DNA Ladder incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.



Derek Robinson
Director of Quality Control

Date 16 May 2014

