

New England Biolabs Certificate of Analysis

Product Name: *TriDye™ 1 kb DNA Ladder*
Catalog Number: *N3272S*
Concentration: *50 µg/ml*
Unit Definition: *N/A*
Lot Number: *10021818*
Expiration Date: *09/2020*
Storage Temperature: *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*

| TriDye™ 1 kb DNA Ladder Component List | | | |
|--|-------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N3272SVIAL | TriDye™ 1 kb DNA Ladder | 10021819 | Pass |

| Assay Name/Specification | Lot # 10021818 |
|---|----------------|
| 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. | Pass |
| 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. | Pass |
| 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. | Pass |

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



Vanessa Mathieu-Sheltry
Production Scientist
11 Sep 2018



Michael Tonello
Packaging Quality Control Inspector
04 Oct 2018