

New England Biolabs Certificate of Analysis

Product Name: TriDye™ 1 kb DNA Ladder
Catalog Number: N3272S
Concentration: 50 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10111564
Expiration Date: 05/2023
Storage Temperature: 4°C
Storage Conditions: 0.006 % Xylene cyanol , 10 mM Tris-HCl, 10 mM EDTA , 10 % Glycerol ,
 0.006 % Bromophenol Blue , 0.06 % Orange G, (pH 8.0 @ 25°C)
Specification Version: PS-N3272S v2.0

| TriDye™ 1 kb DNA Ladder Component List | | | |
|--|-------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N3272SVIAL | TriDye™ 1 kb DNA Ladder | 10111566 | Pass |

| Assay Name/Specification | Lot # 10111564 |
|---|----------------|
| 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 |
| 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 |
| 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 |

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Ana Egana
Production Scientist
27 May 2021



Michael Tonello
Packaging Quality Control Inspector
27 May 2021