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New England Biolabs Certificate of Analysis

Product Name: TriDye™ 1 kb DNA Ladder

Catalog Number:N3272SConcentration:50 μg/mlUnit 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) | Pass |
| The concentration of TriDye™ 1 kb DNA Ladder is between 50 and 55 μg/ml as | |
| determined by UV absorption at 260 nm. | |
| Non-Specific DNase Activity (DNA, 16 hour) | Pass |
| 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. | |
| Electrophoretic Pattern (Marker) | Pass |
| 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. | |

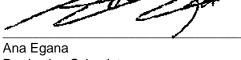
This product has been tested and shown to be in compliance with all specifications.

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N3272S / Lot: 10111564

Page 1 of 2



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27 May 2021

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27 May 2021