

## New England Biolabs Certificate of Analysis

**Product Name:** TriDye™ 1 kb Plus DNA Ladder  
**Catalog Number:** N3270S  
**Concentration:** 100 µg/ml  
**Unit Definition:** N/A  
**Packaging Lot Number:** 10219932  
**Expiration Date:** 11/2025  
**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-N3270S v3.0

TriDye™ 1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3270SVIAL	TriDye™ 1 kb Plus DNA Ladder	10214588	Pass

Assay Name/Specification	Lot # 10219932
<b>DNA Concentration (A260)</b> The concentration of TriDye™ 1 kb Plus DNA Ladder is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.	Pass
<b>Electrophoretic Pattern (Marker)</b> The banding pattern of TriDye™ 1 kb Plus 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
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of TriDye™ 1 kb Plus 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.

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21 Nov 2023



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