

New England Biolabs Product Specification

Product Name: Fast DNA Ladder
Catalog #: N3238S
Concentration: 25 µg/ml
Unit Definition: N/A
Shelf Life: 24 months
Storage Temp: 4°C
Storage Conditions: 0.002 % Xylene cyanol , 5 mM Tris-HCl (pH 8.0), 5 mM EDTA , 5 % Glycerol
Specification Version: PS-N3238S v1.0
Effective Date: 15 May 2014

Assay Name/Specification (minimum release criteria)

DNA Concentration (A260) - The concentration of Fast DNA Ladder is between 25 and 27.5 µg/ml as determined by UV absorption at 260 nm.

Electrophoretic Pattern (Marker) - The banding pattern of Fast 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 1.25 µg of Fast 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 15 May 2014

