

## New England Biolabs Product Specification

*Product Name:* Nucleosome Control DNA  
*Catalog #:* N1202S  
*Concentration:* 10  $\mu$ M  
*Unit Definition:* N/A  
*Shelf Life:* 24 months  
*Storage Temp:* -20°C  
*Storage Conditions:* 10 mM Tris-HCl, 1 mM EDTA, (pH 8.0 @ 25°C)  
*Specification Version:* PS-N1202S v1.0  
*Effective Date:* 24 Oct 2017

### Assay Name/Specification (minimum release criteria)

**A260/A280 Assay** - The ratio of UV absorption of at 260 and 280 nm is between 1.8 and 2.

**Concentration (A260)** - The concentration of Nucleosome Control DNA is between 1.22 and 1.34  $\mu$ g/ $\mu$ l as determined by UV absorption at 260 nm.

**Electrophoretic Pattern (Linear DNA)** - The banding pattern of Nucleosome Control DNA on a 6% TBE-polyacrylamide gel is evaluated against a control lot for sharpness and relative intensity as determined by gel electrophoresis using Ethidium Bromide.

**Non-Specific DNase Activity (DNA, 16 hour)** - A 50  $\mu$ l reaction in 1X NEBuffer 2.1 containing 2  $\mu$ l of Nucleosome Control DNA incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.



Date 24 Oct 2017

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Director of Quality Control

