

## New England Biolabs Product Specification

*Product Name:* HeLa Genomic DNA  
*Catalog #:* N4006S  
*Concentration:* 100 µg/ml  
*Unit Definition:* N/A  
*Shelf Life:* 24 months  
*Storage Temp:* -20°C  
*Storage Conditions:* 10 mM Tris-HCl, 1 mM EDTA, (pH 7.5 @ 25°C)  
*Specification Version:* PS-N4006S v1.0  
*Effective Date:* 07 Jan 2016

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

**A260/A280 Assay** - The ratio of UV absorption of HeLa Genomic DNA at 260 and 280 nm is between 1.8 and 2.0.

**DNA Concentration (A260)** - The concentration of HeLa Genomic DNA is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.

**Electrophoretic Pattern (Genomic DNA)** - The banding pattern of HeLa Genomic DNA on a 1.2% agarose gel is evaluated against a control lot for relative integrity and intensity as determined by gel electrophoresis using Ethidium Bromide.

**Non-Specific DNase Activity (Genomic DNA, 16 hour)** - A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of HeLa Genomic DNA incubated for 16 hours at 37°C does not produce any further detectable nuclease degradation as determined by agarose gel electrophoresis.

**Restriction Digest (Genomic DNA)** - A 50 µl reaction in NEBuffer 2.1 containing 2.5 µg of HeLa Genomic DNA and 20 units of HindIII incubated for 1 hour at 37°C produces the expected fragmentation pattern as determined by agarose gel electrophoresis.



Date 07 Jan 2016

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