

New England Biolabs Certificate of Analysis

Product Name: *HeLa Genomic DNA*
Catalog #: *N4006S*
Concentration: *100 µg/ml*
Unit Definition: *N/A*
Lot #: *0051608*
Assay Date: *08/2016*
Expiration Date: *8/2018*
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)	Lot #0051608
A260/A280 Assay - The ratio of UV absorption of HeLa Genomic DNA at 260 and 280 nm is between 1.8 and 2.0.	Pass
DNA Concentration (A260) - The concentration of HeLa Genomic DNA is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.	Pass
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.	Pass
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.	Pass
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.	Pass



Authorized by
Derek Robinson
07 Jan 2016



Inspected by
Vanessa Mathieu-Sheltry
19 Aug 2016

