

New England Biolabs Certificate of Analysis

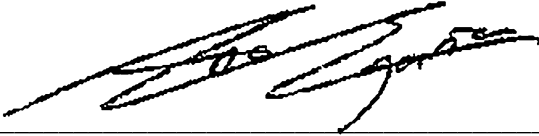
Product Name: HeLa Genomic DNA
Catalog Number: N4006S
Concentration: 100 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10116296
Expiration Date: 07/2023
Storage Temperature: -20°C
Storage Conditions: 10 mM Tris-HCl, 1 mM EDTA, (pH 7.5 @ 25°C)
Specification Version: PS-N4006S v1.0

HeLa Genomic DNA Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N4006SVIAL	HeLa Genomic DNA	10116295	Pass


Assay Name/Specification	Lot # 10116296
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
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
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
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
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

This product has been tested and shown to be in compliance with all specifications.

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Ana Egana
Production Scientist
26 Jul 2021



Mary Neal
Packaging Quality Control Inspector
26 Jul 2021