

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: 10058101
Expiration Date: 11/2021
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	10058100	Pass

Assay Name/Specification	Lot # 10058101
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

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



Vanessa Mathieu-Sheltry
Production Scientist
31 Oct 2019



Michael Tonello
Packaging Quality Control Inspector
21 Nov 2019