

## New England Biolabs Certificate of Analysis

**Product Name:** HeLa Genomic DNA  
**Catalog Number:** N4006S  
**Concentration:** 100 µg/ml  
**Unit Definition:** N/A  
**Lot Number:** 10026020  
**Expiration Date:** 10/2020  
**Storage Temperature:** -20°C  
**Storage Conditions:** 10 mM Tris-HCl, 1 mM EDTA, (pH 7.5 @ 25°C)  
**Specification Version:** PS-N4006S v1.0

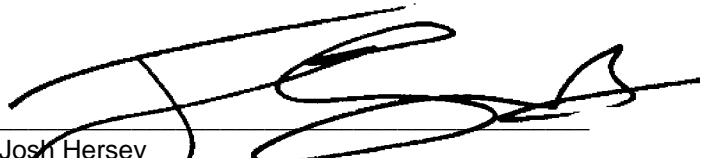
HeLa Genomic DNA Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N4006SVIAL	HeLa Genomic DNA	10026019	Pass

Assay Name/Specification	Lot # 10026020
<b>A260/A280 Assay</b> The ratio of UV absorption of HeLa Genomic DNA at 260 and 280 nm is between 1.8 and 2.0.	Pass
<b>DNA Concentration (A260)</b> The concentration of HeLa Genomic DNA is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.	Pass
<b>Electrophoretic Pattern (Genomic DNA)</b> 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
<b>Non-Specific DNase Activity (Genomic DNA, 16 hour)</b> 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
<b>Restriction Digest (Genomic DNA)</b> 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  
18 Oct 2018



Josh Hersey  
Packaging Quality Control Inspector  
19 Oct 2018