

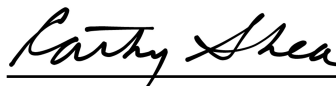
New England Biolabs Certificate of Analysis

Product Name: ET SSB
Catalog #: M2401S
Concentration: 500 µg/ml
Unit Definition: N/A
Lot #: 0081805
Assay Date: 05/2018
Expiration Date: 05/2020
Storage Temp: -20°C
Storage Conditions: 10 mM Tris-HCl, 100 mM KCl, 0.1 mM EDTA, 50% Glycerol, (pH 7.4 @ 25°C)
Specification Version: PS-M2401S v2.0
Effective Date: 23 Apr 2018

Assay Name/Specification (minimum release criteria)	Lot #0081805
Endonuclease Activity (Nicking) - A 50 µl reaction in CutSmart® Buffer containing 1 µg of supercoiled PhiX174 DNA and a minimum of 5 µg of ET SSB incubated for 4 hours at 37°C results in <20% conversion to the nicked form as determined by agarose gel electrophoresis.	Pass
Exonuclease Activity (Radioactivity Release) - A 50 µl reaction in CutSmart® Buffer containing 1 µg of a mixture of single and double-stranded [³ H] <i>E. coli</i> DNA and a minimum of 20 µg of ET SSB incubated for 4 hours at 37°C releases <0.1% of the total radioactivity.	Pass
Non-Specific DNase Activity (16 Hour) - A 50 µl reaction in CutSmart® Buffer containing 1 µg of Lambda DNA and a minimum of 5 µg of ET SSB incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass



Authorized by
Derek Robinson
23 Apr 2018



Inspected by
Cathy Shea
04 May 2018

