

New England Biolabs Certificate of Analysis

Product Name: ET SSB
Catalog Number: M2401S
Concentration: 500 µg/ml
Unit Definition: N/A
Lot Number: 10046785
Expiration Date: 07/2021
Storage Temperature: -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

ET SSB Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M2401SVIAL	ET SSB	10046786	Pass

Assay Name/Specification	Lot # 10046785
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] E. coli 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

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

Cathy Shea

Cathy Shea
Production Scientist
30 Jul 2019

Jay Minichiello

Jay Minichiello
Packaging Quality Control Inspector
06 Sep 2019