

New England Biolabs Certificate of Analysis

Product Name: ET SSB
Catalog Number: M2401S
Concentration: 500 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10226683
Expiration Date: 02/2026
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	10226682	Pass

Assay Name/Specification	Lot # 10226683
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.

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Lindsey Spiegelman
Production Scientist
18 Mar 2024



Michael Tonello
Packaging Quality Control Inspector
19 Mar 2024