

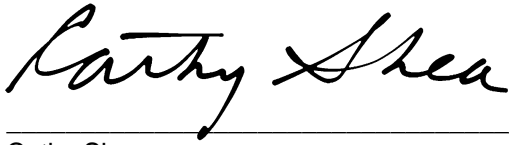
## New England Biolabs Certificate of Analysis

**Product Name:** ET SSB  
**Catalog Number:** M2401S  
**Concentration:** 500 µg/ml  
**Unit Definition:** N/A  
**Lot Number:** 10037299  
**Expiration Date:** 10/2020  
**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

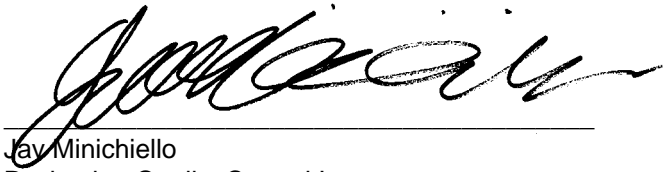
ET SSB Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M2401SVIAL	ET SSB	10022002	Pass

Assay Name/Specification	Lot # 10037299
<b>Endonuclease Activity (Nicking)</b> 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
<b>Exonuclease Activity (Radioactivity Release)</b> A 50 µl reaction in CutSmart® Buffer containing 1 µg of a mixture of single and double-stranded [ <sup>3</sup> 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
<b>Non-Specific DNase Activity (16 Hour)</b> 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  
Production Scientist  
25 Oct 2018



Jay Minichiello  
Packaging Quality Control Inspector  
10 May 2019