

## New England Biolabs Certificate of Analysis

Product Name: SNAP-Cell<sup>®</sup> 647-SiR  
 Catalog Number: S9102S  
 Packaging Lot Number: 10056017  
 Expiration Date: 10/2024  
 Storage Temperature: -20°C  
 Specification Version: PS-S9102S v3.0

SNAP-Cell <sup>®</sup> 647-SiR Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9102SVIAL	SNAP-Cell <sup>®</sup> 647-SiR	10056018	Pass

Assay Name/Specification	Lot # 10056017
<b>Physical Purity (HPLC)</b> SNAP-Cell <sup>®</sup> 647-SiR is ≥ 90% pure as determined by HPLC analysis.	Pass
<b>In Vitro Protein Labeling</b> A 50 µl reaction in 1X PBS and 1 mM DTT containing 5 µM of SNAP-tag <sup>®</sup> Purified Protein and a minimum of 10 µM of SNAP-Cell <sup>®</sup> 647-SiR is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection.	Pass
<b>Identity (Mass Spectrometry)</b> The observed molecular mass of SNAP-Cell <sup>®</sup> 647-SiR is 724.3 Da +/- 1 Da as determined by mass spectrometry analysis.	Pass

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

*Christopher R. Provost*

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Chris Provost  
Production Scientist  
18 Oct 2019

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
22 Nov 2019