

## New England Biolabs Certificate of Analysis

**Product Name:** SNAP-Cell<sup>®</sup> 647-SiR  
**Catalog Number:** S9102S  
**Packaging Lot Number:** 10204937  
**Expiration Date:** 08/2028  
**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 | 10199006   | Pass                 |

| Assay Name/Specification  | Lot # 10204937 |
|---|----------------|
| <b>Identity (Mass Spectrometry)</b><br>The observed molecular mass of SNAP-Cell <sup>®</sup> 647-SiR is 724.3 Da +/- 1 Da as determined by mass spectrometry analysis.  | <b>Pass</b>    |
| <b>In Vitro Protein Labeling</b><br>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. | <b>Pass</b>    |
| <b>Physical Purity (HPLC)</b><br>SNAP-Cell <sup>®</sup> 647-SiR is ≥ 90% pure as determined by HPLC analysis.   | <b>Pass</b>    |

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.

*Christopher R. Provost*

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Chris Provost  
Production Scientist  
16 Aug 2023

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
16 Aug 2023