

## New England Biolabs Product Specification

*Product Name:* SNAP-Cell<sup>®</sup> 647-SiR  
*Catalog #:* S9102S  
*Shelf Life:* 60 months  
*Storage Temp:* -20°C  
*Specification Version:* PS-S9102S v3.0  
*Effective Date:* 10 Apr 2019

### Assay Name/Specification (minimum release criteria)

**Identity (Mass Spectrometry)** - The observed molecular mass of SNAP-Cell<sup>®</sup> 647-SiR is 724.3 Da +/- 1 Da as determined by mass spectrometry analysis.

**In Vitro Protein Labeling** - 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.

**Physical Purity (HPLC)** - SNAP-Cell<sup>®</sup> 647-SiR is ≥ 90% pure as determined by HPLC analysis.



Date 10 Apr 2019

Derek Robinson  
Director of Quality Control

