

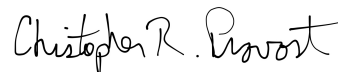
New England Biolabs Certificate of Analysis

Product Name: SNAP-Cell[®] 647-SiR
 Catalog #: S9102S
 Lot #: 0061709
 Assay Date: 09/2017
 Expiration Date: 09/2020
 Storage Temp: -20°C
 Specification Version: PS-S9102S v1.0
 Effective Date: 20 Sep 2017

Assay Name/Specification (minimum release criteria)	Lot #0061709
Cellular Protein Labeling (Cell Surface) - Mammalian cells transfected with pSNAPf-ADR β 2 expressing Beta-2 adrenergic receptor (cell surface) were labeled with 3 μ M SNAP-Cell [®] 647-SiR for 1 hour and visualized by fluorescence microscopy resulting in the expected cell surface labeling.	Pass
Cellular Protein Labeling (Intracellular) - Mammalian cells transfected with pSNAPf-H2B expressing Histone H2B protein (nucleus) were labeled with 3 μ M SNAP-Cell [®] 647-SiR for 1 hour and visualized by fluorescence microscopy resulting in the expected intracellular labeling.	Pass
Identity (Mass Spectrometry) - The observed molecular mass of SNAP-Cell [®] 647-SiR is 724.3 Da +/- 1 Da as determined by mass spectrometry analysis.	Pass
In Vitro Protein Labeling - A 50 μ l reaction in 1X PBS and 1 mM DTT containing 5 μ M of SNAP-tag [®] Purified Protein and a minimum of 10 μ M of SNAP-Cell [®] 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
Physical Purity (HPLC) - SNAP-Cell [®] 647-SiR is \geq 90% pure as determined by HPLC analysis.	Pass



Authorized by
Derek Robinson
20 Sep 2017



Inspected by
Chris Provost
15 Sep 2017

