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## New England Biolabs Certificate of Analysis

Product Name: SNAP-Cell® 647-SiR

Catalog Number: S9102S
Lot Number: 10020502
Expiration Date: 09/2021
Storage Temperature: -20°C

Specification Version: PS-S9102S v2.0

SNAP-Cell® 647-SiR Component List			
<b>NEB Part Number</b>	Component Description	Lot Number	Individual QC Result
S9102SVIAL	SNAP-Cell® 647-SiR	10016572	Pass

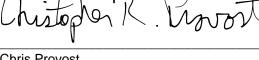
Assay Name/Specification	Lot # 10020502
Cellular Protein Labeling (Cell Surface) Mammalian cells transfected with pSNAPf-ADRβ2 expressing Beta-2 adrenergic receptor (cell surface) were labeled with 3 μM SNAP-Cell® 647-SiR for 1 hour and visualized by fluorescence microscopy resulting in the expected cell surface labeling.	Pass
Cellular Protein Labeling (Intracellular) Mammalian cells transfected with pSNAPf-H2B expressing Histone H2B protein (nucleus) were labeled with 3 μM 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 µl reaction in 1X PBS and 1 mM DTT containing 5 µM of SNAP-tag® Purified Protein and a minimum of 10 µM 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 ≥ 90% pure as determined by HPLC analysis.	Pass

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



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Chris Provost Production Scientist 01 Oct 2018 Michael Tonello

Packaging Quality Control Inspector

01 Oct 2018