

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

New England Biolabs Certificate of Analysis

Product Name: SNAP-Cell® 647-SiR

Catalog Number: S9102S
Lot Number: 10012851
Expiration Date: 06/2021
Storage Temperature: -20°C

Specification Version: PS-S9102S v2.0

SNAP-Cell® 647-SiR Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9102SVIAL	SNAP-Cell® 647-SiR	10011008	Pass

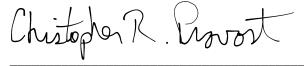
Assay Name/Specification	Lot # 10012851
Cellular Protein Labeling (Cell Surface) Mammalian cells transfected with pSNAPf-ADRβ2 expressing Beta-2 adrenergic receptor (cell surface) were labeled with 3 μM SNAP-Cell® 647-SiR for 1 hour and visualized by fluorescence microscopy resulting in the expected 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.



S9102S / Lot: 10012851

Page 1 of 2



Chris Provost **Production Scientist** 14 Jun 2018

Josh Hersey Packaging Quality Control Inspector

14 Jun 2018

S9102S / Lot: 10012851

Page 2 of 2