

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 v1.0

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
Physical Purity (HPLC) SNAP-Cell [®] 647-SiR is ≥ 90% pure as determined by HPLC analysis.	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
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
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

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

Christopher R. Provost

Chris Provost
Production Scientist
14 Jun 2018

Josh Hersey
Packaging Quality Control Inspector
14 Jun 2018