

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			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9102SVIAL	SNAP-Cell [®] 647-SiR	10016572	Pass

Assay Name/Specification	Lot # 10020502
<p>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.</p>	Pass
<p>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.</p>	Pass
<p>Identity (Mass Spectrometry) The observed molecular mass of SNAP-Cell[®] 647-SiR is 724.3 Da +/- 1 Da as determined by mass spectrometry analysis.</p>	Pass
<p>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.</p>	Pass
<p>Physical Purity (HPLC) SNAP-Cell[®] 647-SiR is ≥ 90% pure as determined by HPLC analysis.</p>	Pass

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

Christopher R. Provost

Chris Provost
Production Scientist
01 Oct 2018

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
01 Oct 2018