New England Biolabs
Product Specification

Product Name: SNAP-Cell® Fluorescein
Catalog #: S9107S
Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-S9107S v1.0
Effective Date: 02 Aug 2017

Assay Name/Specification (minimum release criteria)

Cellular Protein Labeling (Intracellular) - Mammalian cells transfected with pSNAPf-H2B expressing Histone H2B protein (nucleus) were labeled with 5 µM SNAP-Cell® Fluorescein for 1 hour and visualized by fluorescence microscopy resulting in the expected intracellular labeling.

Identity (Mass Spectrometry) - The observed molecular mass of SNAP-Cell® Fluorescein is 712.2 Da +/- 1 Da as determined by mass spectrometry analysis.

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® Fluorescein is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection.

Physical Purity (HPLC) - SNAP-Cell® Fluorescein is ≥ 70% pure as determined by HPLC analysis.

Derek Robinson
Director of Quality Control

Date 02 Aug 2017