NEW ENGLAND BioLabs Inc.
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New England Biolabs
Certificate of Analysis

Product Name: *SNAP-Cell® Block*
Catalog Number: *S9106S*
Lot Number: *10033145*
Expiration Date: *12/2021*
Storage Temperature: *-20°C*
Specification Version: *PS-S9106S v2.0*

SNAP-Cell® Block Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
S9106SVIAL	SNAP-Cell Block®	10030530	**Pass**

Assay Name/Specification	Lot # 10033145
Cellular Protein Labeling (Blocking Assay) Mammalian cells transfected with pSNAPf-ADRβ2 expressing Beta-2 adrenergic receptor (cell surface) were reacted sequentially with 10 µM SNAP-Cell® Block for 30 minutes and 5 µM of a SNAP-tag® fluorescent substrate for 1 hour resulting in no flouresence when visualized by fluorescence microscopy.	**Pass**
Cellular Protein Labeling (Blocking Assay) Mammalian cells transfected with pSNAPf-H2B expressing Histone H2B protein (nucleus) were reacted sequentially with 10 µM SNAP-Cell® Block for 30 minutes and 5 µM of a SNAP-tag® fluorescent substrate for 1 hour resulting in no flouresence when visualized by fluorescence microscopy.	**Pass**
Identity (Mass Spectrometry) The observed molecular mass of SNAP-Cell® Block is 337 Da +/- 1 Da as determined by mass spectrometry analysis.	**Pass**
In Vitro Protein Labeling (Blocking Assay) A 50 µl reaction in 1X PBS and 1 mM DTT containing 5 µM of SNAP-tag® Purified Protein and a minimum of 20 µM of SNAP-Cell® Block for 30 minutes followed by 10 µM SNAP-Cell® TMR-Star is incubated for 1 hour at 37°C results in the expected absence of labeled product that is visualized on SDS-PAGE by fluorescent detection.	**Pass**
Physical Purity (HPLC) SNAP-Cell® Block 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
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20 Dec 2018

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27 Dec 2018