

Catalog Number S11200  
Product Name streptavidin, Pacific Green™ conjugate  
Appearance yellow solution  
Medium 2 mg/mL in PBS, pH 7.2, 5 mM sodium azide  
Lot Number 1678300

	LOT DATA	SPECIFICATION
<b>ABSORPTION</b>		
Maximum	417 nm	417 ± 5 nm
Degree of Labeling <sup>1</sup>	6	4 – 7
<b>FLUORESCENCE</b>		
Emission Maximum	496 nm	499 ± 5 nm
Relative Quantum Yield <sup>2</sup>	0.35	≥ 0.35
<b>MICROSCOPY</b>		
Immunocytochemistry <sup>3</sup>	meets specification	good staining, negligible background
<b>PURITY<sup>4</sup></b>		
TLC <sup>5</sup>	meets specification	negligible or no free dye detected

1. Moles of dye per mole of protein, determined using an  $\epsilon$  of  $29,000 \text{ cm}^{-1} \text{ M}^{-1}$  at the absorption maximum.

2. Quantum yield determined relative to free acid from Pacific Green™ at pH 8.0.

3. Cell staining performed using a primary antibody specific for cell type and isotype, and this product.

4. Solvent: 80% acetonitrile/20% water.

5. Solvent: 50% chloroform/50% methanol.

Rachel Smith, Ph.D., Quality Assurance

20-Feb-2015

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.