

Catalog Number S11200
Product Name streptavidin, Pacific Green™ conjugate
Appearance green solution
Medium 2 mg/mL in PBS, pH 7.2, 2 mM sodium azide
Lot Number 1313424

	LOT DATA	SPECIFICATION
ABSORPTION		
Maximum	417 nm	417 ± 5 nm
Degree of Labeling ¹	7	4 – 7
FLUORESCENCE		
Emission Maximum	498 nm	499 ± 5 nm
Relative Quantum Yield ²	0.42	≥ 0.35
MICROSCOPY		
Immunocytochemistry ³	meets specification	good staining, negligible background
PURITY⁴		
TLC ⁵	meets specification	negligible or no free dye detected

1. Moles of dye per mole of protein, determined using an ϵ 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.

Betty Wood

Betty Wood, Quality Assurance Manager

18-Dec-2013

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.