



## CERTIFICATE OF ANALYSIS

Product **NEUROBIOTIN™ 350**

Catalog No. SP-1155

Amount 2 mg

Lot No. ZA1027

Storage 4 °C (desiccated) in the dark. Once in solution, aliquots may be stored frozen. This product does not contain an antimicrobial agent.

Solubility NEUROBIOTIN™ 350 is soluble at >5% in the following: water, 1M potassium acetate, 1 M KCl, 1 M NaCl, 1 M Tris, pH 8.5, and 100 mM Tris, pH 7.5. Solubility in phosphate buffers is significantly lower. Solvents and concentrations will require optimization depending on the application. It may be important to note that unbuffered NEUROBIOTIN™ 350 is somewhat acidic and may require buffering for some applications.

NEUROBIOTIN™ 350 is a tri-functional molecule designed for neuronal tracing and cell filling that contains:

- a biotin label with a biotinidase-resistant linker.
- a bright fluorophore, similar in fluorescence to AMCA or Alexa Fluor® 350.
- a fixable primary amino group.

### Properties

- MW = 573 g/mol
- Cationic (+1 charge)
- Fixable with formaldehyde or glutaraldehyde
- Maximum absorbance at 346 nm; maximum emission at 452 nm

**NEUROBIOTIN 350 Spectral Properties**

