



## CERTIFICATE OF ANALYSIS

Product NEUROBIOTIN™ 488

NEUROBIOTIN™ 488 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 fluorescein, Cy2 or Alexa Fluor® 488.
- a fixable primary amine.

Catalog No. SP-1125

Amount 2 mg

Lot No. Y0606

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™ 488 is soluble under the following conditions. Solvents and concentrations will require optimization depending on the application.

Up to 10% in 3.0 M Tris, pH 8.8

Up to 2% in 0.25 M Tris, pH 8.8 or 0.25 M Tris, 1.0 M NaCl, pH 8.8

Up to 2% in 0.1 M bicarbonate buffer, pH 8.5 or 0.25 M bicarbonate, 1.0 M NaCl, pH 8.5

Up to 0.5% in 0.13 M cesium gluconate, 10 mM HEPES, pH 7.2

Up to 10% in DMSO

### Properties

- MW = 747 g/mol
- Anionic at pH 6.5 or higher
- Fixable with formaldehyde or glutaraldehyde
- Maximum absorbance at 493 nm; maximum emission at 517 nm

