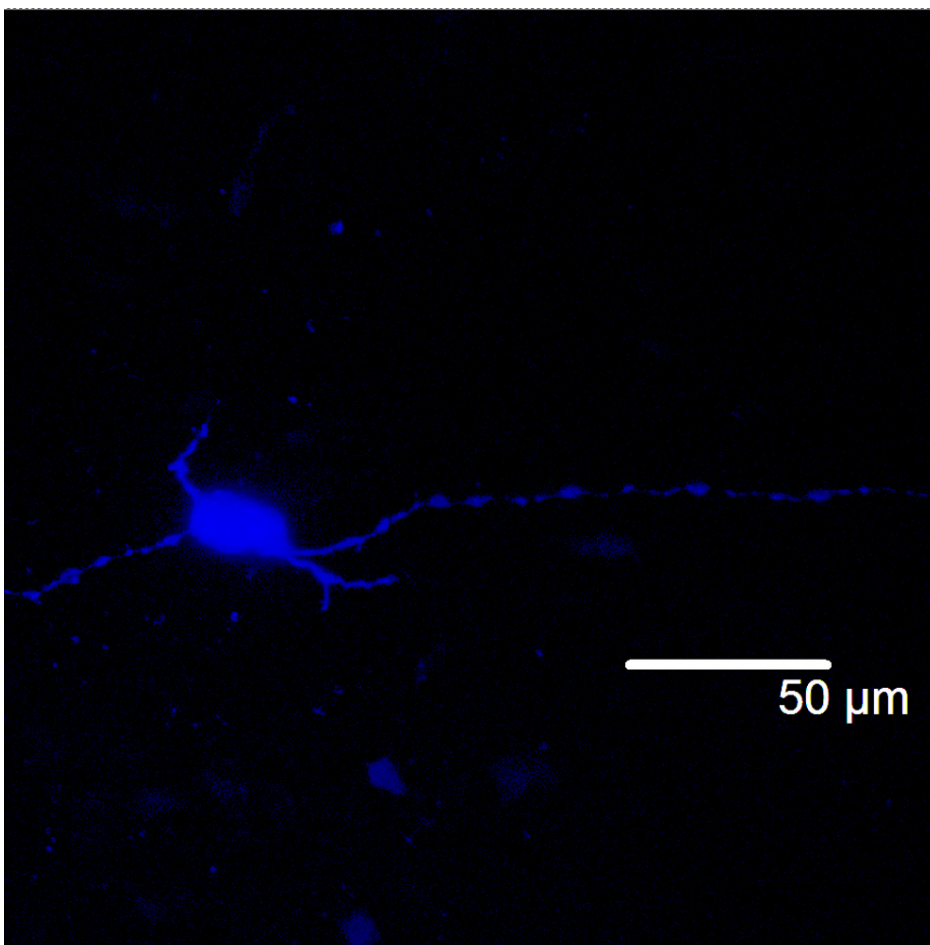




# NEUROBIOTIN® 350 Tracer

## SP-1155-2

### Product Images



## Short Description

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NEUROBIOTIN 350 Tracer is a tri-functional molecule designed for neuronal tracing and cell filling.

### Features:

- Bright blue fluorophore, similar in fluorescence to AMCA or Alexa Fluor® 350
- Biotin label with a biotinidase-resistant linkage
- Fixable primary amine
- Used for visualizing neural architecture and for the identification of gap junction coupling
- Can be used in many types of preparations including in vivo, whole mounts, slice preparations, or cultured cells
- Can be delivered by many routes such as intracellular electrodes, microinjection, cut-loading, or scrape-loading
- Biotin label can be detected using avidin or streptavidin systems with either chromogenic or fluorescence visualization methods

### Advantages of NEUROBIOTIN Tracer over biocytin and other neuronal labels:

- Better solubility
- More efficiently iontophoresed
- Remains in cell longer
- Non-toxic
- Can be fixed with formalin or glutaraldehyde

## Additional Information

Unit Size	2 mg
Maximum Emission	452 nm
Recommended Storage	2-8 °C (desiccated). Once in solution, store frozen. This product does not contain an antimicrobial agent.
Recommended Usage	<p>NEUROBIOTIN 350 is soluble at &gt;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.</p> <p>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. Fixable with formaldehyde or glutaraldehyde</p>
Molecular Weight	573
Maximum Excitation	346 nm
Neuronal Tracer - Direction of Transport	Anterograde/Retrograde
Detection Method	Avidin(Streptavidin)/Biotin Method, Chromogenic, Fluorescence

