

fluidiphore **rapid** amine 503



Fluidiphore rapid amine 503 is an amine binding, fluorescent, protein label. The label is quick and easy to use as it only requires 30 minutes incubation time and zero purification.

The background effects from unbound dye are eliminated due to a shift in the absorbance wavelength and an increase in quantum yield once the dye is conjugated.

Fluidiphore rapid amine 503 absorbs at 503 nm once conjugated, making it compatible with the Fluidity One-W instrument as well as other techniques.

Due to the lack of purification required, you can adjust the amount of protein you wish to label in one reaction. This, combined with the short incubation time, makes the fluidiphore rapid amine 503 labeling kit perfect when using valuable or small volumes of protein. Alternatively, it is ideal as a label to kept ready to use when you need proteins labeled quickly.

For more information on the fluidiphore rapid amine 503 protein labeling kit go to:

www.fluidic.com/products/fluidiphore-rapid/

Technical Specifications

Chemical properties: 1 mg lyophilized blue solid which is soluble in DMF, methanol and acetonitrile. DMSO can also be used but is not recommended.

Molecular weight: 393.29

Absorption: 503 nm (conjugated), 612 nm (free)

Emission: 600 nm (conjugated), 665 nm (free)

ϵ L/(mol cm): 24,000 (conjugated), 60,000 (free)

Quantum Yield: ~50% (conjugated), less than 1% (free)

Storage: The lyophilized dye should be stored at 4 °C. The reconstituted dye should be stored at -20 °C sealed in a bag with desiccant. Allow to reach room temperature before taking out of the bag. Unreacted dye can be stored for up to 6 months.

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