

# pHrodo™ iFL Microscale Protein Labeling Kits

Cat. Nos. P36014, P36015

Pub. No. MAN0016952

Rev. B

For detailed protocol, visit the product page at [www.thermofisher.com](http://www.thermofisher.com).

## Storage

Store at 2–8°C. Protect from light. **Do not freeze.** When stored as directed, the product is stable for at least 6 months.

## Types of kits

- pHrodo™ iFL Red Microscale Protein Labeling Kit (Cat. No. P36014)
- pHrodo™ iFL Green Microscale Protein Labeling Kit (Cat. No. P36015)

## Technical specifications of pHrodo iFL STP ester dyes

- pHrodo™ iFL Red STP ester, amine reactive dye: Ex/Em 560/585 nm; MW = ~1000
- pHrodo™ iFL Green STP ester, amine reactive dye: Ex/Em 505/525 nm; MW = ~1000

For Research Use Only. Not for use in diagnostic procedures.

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## Quick protocol

For detailed protocol, visit the product page at [www.thermofisher.com](http://www.thermofisher.com).

1. Prepare a 1 M sodium bicarbonate solution by resuspending Component C in 1 mL of deionized water.
2. Transfer 20–100  $\mu$ L of your 1 mg/mL protein solution (20–100  $\mu$ g) to a reaction tube, then add 1/10th volume of the 1 M sodium bicarbonate solution (from Step 1).
3. Add 50  $\mu$ L of DMSO (Component B) to one vial of pHrodo™ iFL STP ester, amine reactive dye (Component A).
4. Add the appropriate volume of the reactive dye solution (see the detailed protocol for the amount) to the reaction tube and mix.
5. Incubate the reaction mixture for 15 minutes at room temperature.
6. Assemble the purification resin and column, then purify the labeled protein.

The information in this guide is subject to change without notice.

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