

# pHrodo™ Red and Green AM Intracellular pH Indicators

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Revision 1.0

Detailed protocol is available online at [www.lifetechnologies.com/manuals](http://www.lifetechnologies.com/manuals).

**WARNING!** For every chemical, read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

Product	Ex/Em maxima (nm)	Cat. no
pHrodo™ Red AM Intracellular pH Indicator	560/585	P35372
pHrodo™ Green AM Intracellular pH Indicator	509/533	P35373

For research use only. Not for use in diagnostic procedures.

1. Thaw vial of pHrodo™ AM Ester.
2. Add 10 µL of pHrodo™ AM Ester to 100 µL of PowerLoad™ concentrate (provided with the kit).
3. Dilute this solution into 10 mL of Live Cell Imaging Solution (LCIS) (Cat. no. A14291DJ) or other pH 7.4 buffer to make a staining solution.
4. Remove growth medium from cells and wash once with LCIS.
5. Replace LCIS with the pHrodo™ AM Ester staining solution.
6. Incubate cells in staining solution at room temperature for 30 minutes.
7. *Optional:* Wash cells with LCIS, if desired.
8. Analyze cells using appropriate excitation/emission maxima.

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