



DOTAP-Based Fluorescent Liposome, Dextran-pHrodo Green Encapsulated

Catalog: Lipo-048RG

PRODUCT INFORMATION

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| Name | DOTAP-Based Fluorescent Liposome, Dextran-pHrodo Green Encapsulated |
| Cat No. | Lipo-048RG |
| Product Overview | pHrodo Green is a pH sensitive dye which increases in fluorescence as pH decreases from more neutral to acidic. Dextran-pHrodo Green conjugated liposomes are commonly used for detecting endocytosis and phagocytosis, respectively, as the dyes display little to no fluorescence outside the cell at neutral pH and upon internalization, emit a bright red or green signal due to the acidic environment of endosomes and phagosomes. Excitation/Emission (nm): 509/533 |
| Lipid Composition | DOTAP/DOPC/CHOL(0.5/6.5/3.0 mM) DOTAP: 1,2-dioleoyl-3-trimethylammonium-propane (chloride salt)/CAS:132172-61-3 DOPC: 1,2-dioleoyl-sn-glycero-3-phosphocholine/CAS: 4235-95-4 CHOL: Cholesterol/CAS: 57-88-5 |
| Form | Liquid |
| Storage Buffer | 20 mM HEPES, pH 7.4 |
| Concentration | Lipid Concentration 10mM |
| Stability | 2 months |
| Storage | 2 °C to 8 °C (do not freeze) |