



# DOTAP-Based Fluorescent Liposome, Dextran-pHrodo Red Encapsulated

**Catalog: Lipo-047RG**

## PRODUCT INFORMATION

<b>Name</b>	DOTAP-Based Fluorescent Liposome, Dextran-pHrodo Red Encapsulated
<b>Cat No.</b>	Lipo-047RG
<b>Product Overview</b>	pHrodo Red is a pH sensitive dye which increases in fluorescence as pH decreases from more neutral to acidic. Dextran-pHrodo Red 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): 560/585
<b>Lipid Composition</b>	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
<b>Form</b>	Liquid
<b>Storage Buffer</b>	20 mM HEPES, pH 7.4
<b>Concentration</b>	Lipid Concentration 10mM
<b>Stability</b>	2 months
<b>Storage</b>	2 °C to 8 °C (do not freeze)