



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

Catalog: Lipo-047RG

## PRODUCT INFORMATION

Name	DOTAP-Based Fluorescent Liposome, Dextran-pHrodo Red Encapsulated
Cat No.	Lipo-047RG
Product Overview	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
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)