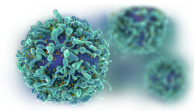

PG-Based Fluorescent Liposome, Dextran-Fluorescein Encapsulated

Catalog: Lipo-031RG

As a large molecule, dextran can not leak out of the liposomes over time while the liposomes are inside the vial. By conjuncted with fluorescent probes, liposomes encapsulating fluorescent dextran can be used in experiments that require tracking of the fluorescent water-soluble cargo. Excitation/Emission (nm): 494/521

PRODUCT INFORMATION

Product Name	PG-Based Fluorescent Liposome, Dextran-Fluorescein Encapsulated
Catalog Number	Lipo-031RG
Product Overview	As a large molecule, dextran can not leak out of the liposomes over time while the liposomes are inside the vial. By conjuncted with fluorescent probes, liposomes encapsulating fluorescent dextran can be used in experiments that require tracking of the fluorescent water-soluble cargo. Excitation/Emission (nm): 494/521
Lipid Composition	18:1 (?9-Cis) PG/DOPC/CHOL(2.0/5.0/3.0 mM) 18:1 (?9-Cis) PG: 1,2-dioleoyl-sn-glycero-3-phospho-(1'-rac-glycerol) (sodium salt)/CAS: 67254-28-8 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

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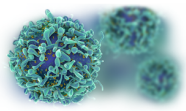

Storage	2 °C to 8 °C (do not freeze)

USAGE GUIDELINES

General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	**Short term:** +2°C to +8°C (up to 1 week) **Long term:** -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to ?3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.

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