



# Lyophilized DOTAP/DOPC ATP Liposome, NBD-lipid Labeled

**Catalog: Lipo-224RG**

## PRODUCT INFORMATION

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<b>Name</b>	Lyophilized DOTAP/DOPC ATP Liposome, NBD-lipid Labeled
<b>Cat No.</b>	Lipo-224RG
<b>Product Overview</b>	<p>The encapsulation of ATP in liposomes markedly promotes its effectiveness by preventing the hydrolysis by extracellular enzymes, increasing ATP circulation time and enhancing its intracellular penetration. ATP liposomes can be used in various models such as myocardial, liver, retina and wound healing ischemia. Studies have shown the ability of liposomal encapsulated ATP to prevent cell death and tissue dysfunction following ischemic events. The concentration of encapsulated ATP is 0.5<math>\mu</math>mol/vial.</p>
<b>Lipid Composition</b>	<p>DOTAP/DOPC/NBD-PE (0.30/1.185/0.015 <math>\mu</math>mol/vial) DOTAP: 1,2-dioleoyl-3-trimethylammonium-propane (chloride salt) DOPC: 1,2-dioleoyl-sn-glycero-3-phosphocholine NBD PE: 1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(7-nitro-2-1,3-benzoxadiazol-4-yl) (ammonium salt) (NBD PE)</p>
<b>Form</b>	Lyophilized Powder
<b>Storage Buffer</b>	PBS, pH 7.4 with trehalose as lyoprotectant
<b>Concentration</b>	Lipid Concentration 1.5 $\mu$ mol/vial
<b>Stability</b>	6 months
<b>Storage</b>	-20°C