

Supporting Information

Acid Cleavable PEG-lipids for Applications in a Ternary Gene Delivery Vector

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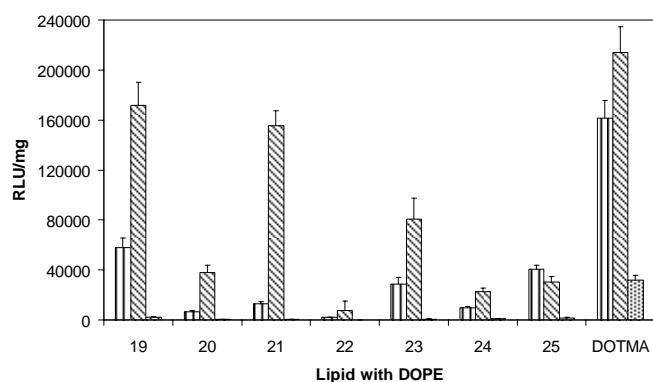
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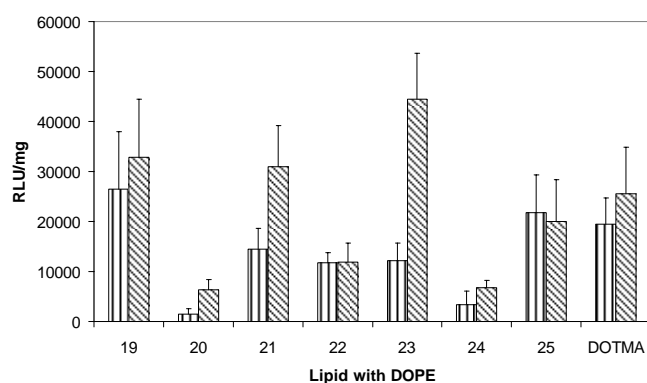
Fig 1: Transfection data comparing performance of lipids to Lipofectin™

S2

(a) 16HBE14o-



(b) bEND.3



(c) PVSMCs

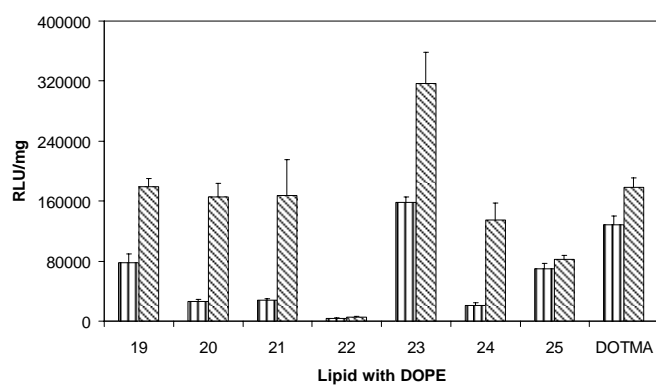


Fig 1. Transfections with LID or LD complexes were performed in (a) human bronchial epithelial cells, 16HBE14o-, (b) mouse endothelial cells, bEND.3, (c) primary porcine vascular smooth muscle cells, PVSMCs. The Lipofectin (DOTMA + DOPE) formulation is labelled as DOTMA. Complexes were prepared with DOTMA or a pH-sensitive lipid/DOPE:peptide **3** (stripes) or **26** (diagonal lines) or none (filled, (a) only);pCI-Luc weight ratio of 2:4:1. Transfection incubation was performed for 4 h and luciferase activity was measured 24 h later. The relative light units (RLU) measured for 10 sec are expressed as means \pm s.e.m. per mg of protein.