



Supplementary information, Figure S1 Pulmonary inflammation induced by cationic liposomes and lipoplexes upon systemic injection.

(A) C57BL/6 mice were injected with DOTAP liposomes (25mg/kg) and DOTAP lipoplexes with pVAX plasmid loaded (25mg/kg, DNA/liposome ratio, 1/10). $n=3$ per group. HE staining in representative mice lung sections 24 h after injection was performed. Scale bar, 50 μm . (B) Neutrophils in each section were stained by esterase staining and were counted in ten high power fields (HPFs). Data are mean \pm SEM; $n=3$. *** $P<0.001$ compared with control group by Student's t -test.

(C) Mice were injected with DOTAP liposomes (100mg/kg) or DOTAP lipoplexes (100mg/kg, DNA/liposome ratio, 1/10) through tail veins every 24 h for two days and mice survival were recorded every 24 h, $n=10$.