

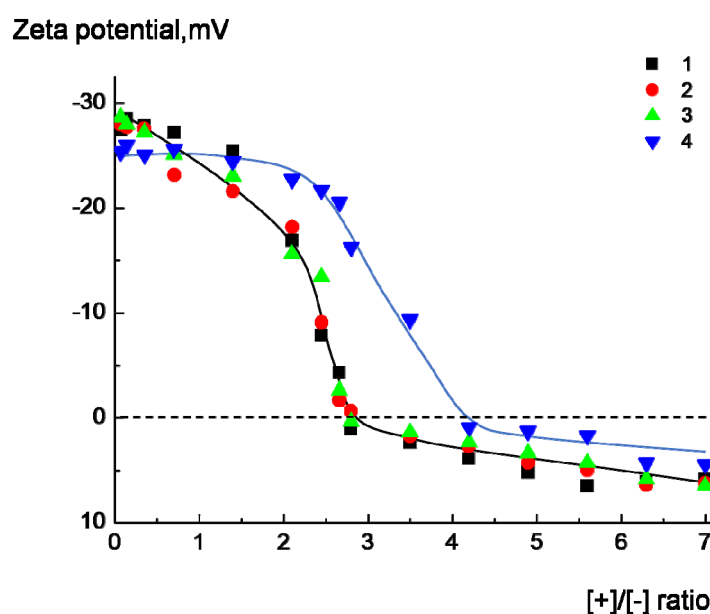
# Complexes of Cationic Pyridylphenylene Dendrimers with Anionic Liposomes: The Role of Dendrimer's Composition in Membrane Structural Changes

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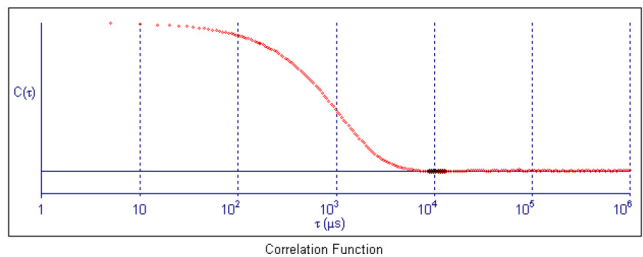
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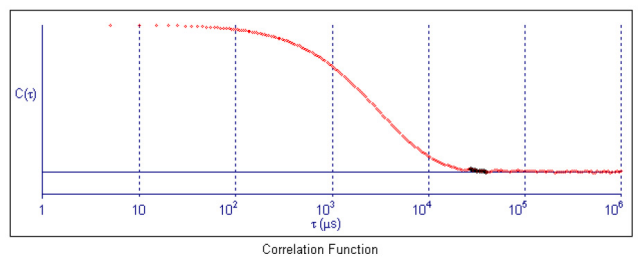
**Figure S1.** Zeta potential of the dendrimer - liposome complexes versus ratio of the ionic groups [+)/[-] for  $D_{3^{50+}}$ (1),  $D_{2^{29+}}$ (2),  $D_{2^{15+}}$ (3) and  $D_{1^{6+}}$ (4), where [+) is the molar concentration of pyridinium groups of the dendrimer and [-] is the molar concentration of negatively charged cardiolipin headgroups. CL/Chol/DOPC liposomes, [CL] =  $1.5 \times 10^{-4}$  mol/L, total lipid concentration 1 mg/mL.  $10^{-3}$  M phosphate buffer, pH 7.2.

Measurement Results:	
Effective Diameter:	346.8 nm
Polydispersity:	0.081
Baseline Index:	9.3



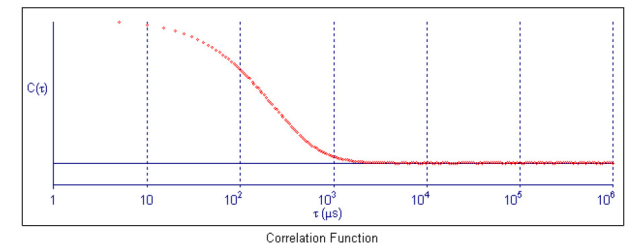
(1)

Measurement Results:	
Effective Diameter:	992.0 nm
Polydispersity:	0.324
Baseline Index:	5.7

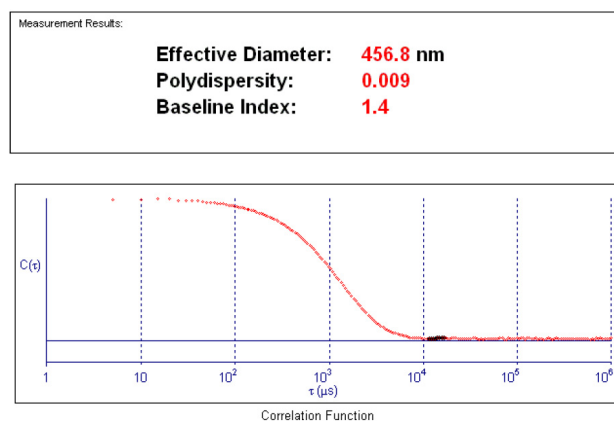


(2)

Measurement Results:	
Effective Diameter:	73.4 nm
Polydispersity:	0.242
Baseline Index:	7.3



(3)



(4)

**Figure S2.** Examples of the experimental autocorrelation curves for dendrimer- liposome complexes for  $D_3^{50+}$ (1),  $D_2^{29+}$ (2),  $D_2^{15+}$ (3) and  $D_1^{6+}$ (4) with different ratio of the ionic groups  $[+]/[-]$ , where  $[+]$  is the molar concentration of pyridinium groups of the dendrimer and  $[-]$  is the molar concentration of negatively charged cardiolipin headgroups.  $[+]/[-]$ = 2.5 (1), 2.7 (2), 0.1 (3), 1.4 (4). CL/Chol/DOPC liposomes,  $[CL] = 1.5 \times 10^{-4}$  mol/L, total lipid concentration 1 mg/mL.  $10^{-3}$  M phosphate buffer, pH 7.2.