

基于低分子量聚乙烯亚胺和油酸的负电性基因载体

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Negatively Charged Lipopolyplex for Gene Delivery Based on Low-Molecular-Weight Polyethylenimine and Oleic Acid

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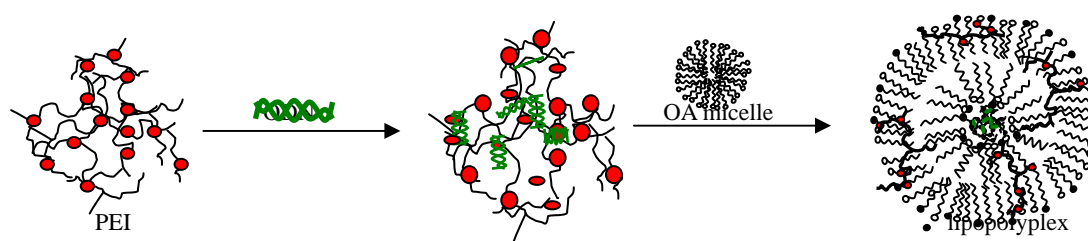
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Table S1 Size and ζ potential for different lipopolyplex*

Lipopolyplex	N/P ratio	Size/nm	PDI	ζ -potential/mV
OA/PEI/ODN	18	133	0.271	-59
	27	141	0.250	-55
	36	212	0.282	-41
OA/PEI/ODN/DSPE-PEG	18	127	0.269	-30
	27	175	0.226	-25
	36	162	0.213	-25

* Concentrations for OA, ODN and DSPE-PEG are $2.5 \text{ mmol}\cdot\text{L}^{-1}$, $70 \text{ ng}\cdot\mu\text{l}^{-1}$ and $0.25 \text{ mmol}\cdot\text{L}^{-1}$, respectively.



Scheme S1 Formation of the lipopolyplex

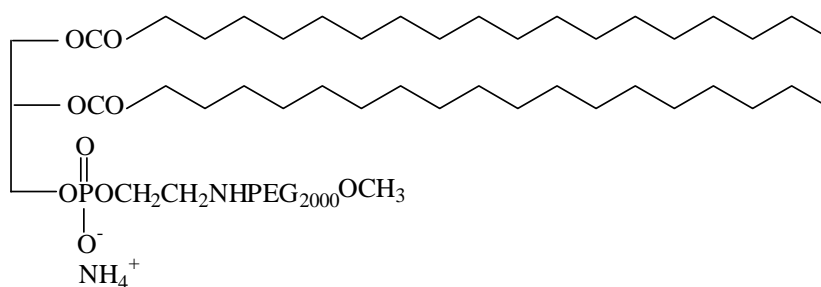
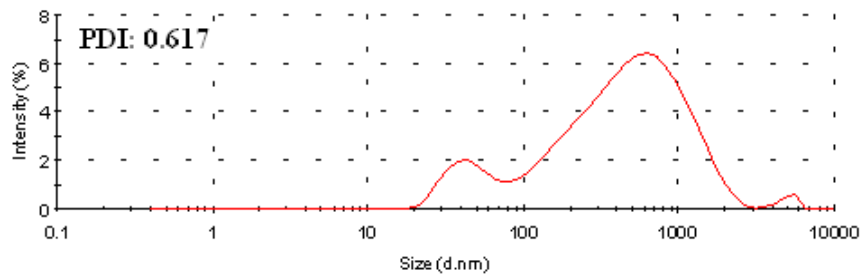
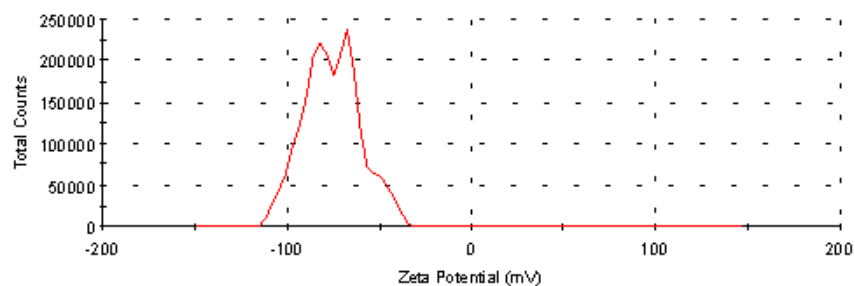


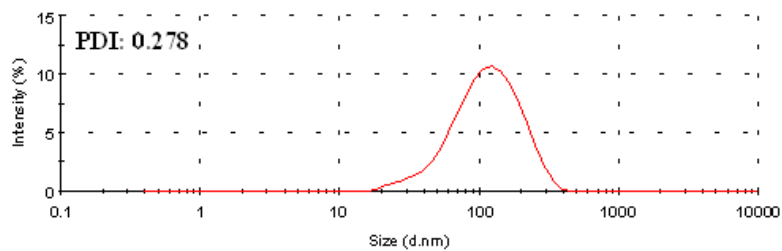
Fig.S1 Structures for DSPE-PEG



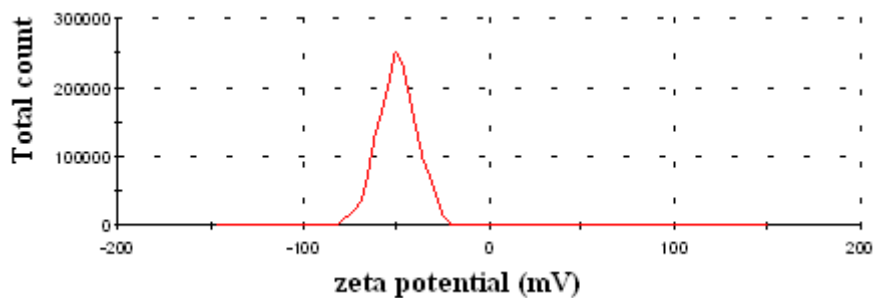
A



B



C



D

Fig.S2 Size distribution (A and C) by intensity and ζ potential (B and D) for OA/H₂O (A and B) and OA/PEI/H₂O systems (C and D)
Contents of OA and PEI are the same as those in Fig.1.