Supplementary Information

for:

The study of complexation between dicationic surfactants and the DNA duplex using structural and spectroscopic methods

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Figure S1. Agarose gel electrophoresis of the studied lipoplexes: C12JC3/dsDNA, C12JC6/dsDNA, C12JC7/dsDNA and C12JC9/dsDNA, p/n from 0 (DNA) to 5. M means DNA molecular weight marker.
Figure S2. The SAXS patterns recorded for various lipoplexes. SAXS data were shifted for clarity. The p/n values are marked on the right side.
Figure S3. The CD spectra of dsDNA in complex with various C12JCn. The results show conformational changes characteristic of several DNA forms depending on the surfactant structures present in the solution. The p/n values are marked on the right side.
Figure S4. Photos of fibroblast cultures transfected by the use of fluorescently labelled ssDNA oligomer and dicationic surfactants (C12JC2 – C12JC6), p/n = 2 – images from optical (left) and fluorescent (right) microscope.
Figure S5. Photos of fibroblast cultures transfected by the use of fluorescently labelled ssDNA oligomer and dicationic surfactants (C12JC7 – C12JC12), p/n = 2 – images from optical (left) and fluorescent (right) microscope.