Accepted Manuscript

Importance of hydrophobic interactions in the single-chained cationic surfactant-dna complexation

Manuel López-López, Pilar López-Cornejo, Victoria Isabel Martín, Francisco José Ostos, Cintia Checa-Rodríguez, Rosario Prados-Carvajal, José Antonio Lebrón, Pablo Huertas, María Luisa Moyá

PII: S0021-9797(18)30299-6

DOI: https://doi.org/10.1016/j.jcis.2018.03.048

Reference: YJCIS 23398

To appear in: Journal of Colloid and Interface Science

Received Date: 26 January 2018 Revised Date: 10 March 2018 Accepted Date: 14 March 2018



Please cite this article as: M. López-López, P. López-Cornejo, V. Isabel Martín, F. José Ostos, C. Checa-Rodríguez, R. Prados-Carvajal, J. Antonio Lebrón, P. Huertas, M. Luisa Moyá, Importance of hydrophobic interactions in the single-chained cationic surfactant-dna complexation, *Journal of Colloid and Interface Science* (2018), doi: https://doi.org/10.1016/j.jcis.2018.03.048

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

IMPORTANCE OF HYDROPHOBIC INTERACTIONS IN THE SINGLE-CHAINED CATIONIC SURFACTANT-DNA COMPLEXATION

Manuel López-López,¹ Pilar López-Cornejo, Victoria Isabel Martín, Francisco José Ostos, Cintia Checa-Rodríguez,² Rosario Prados-Carvajal,² José Antonio Lebrón, Pablo Huertas,² and María Luisa Moyá*

Department of Physical Chemistry, University of Seville, C/ Profesor García González 1, 41012 Seville. Spain. Tlf. 34954557175 Fax: 34954557174

¹Department of Chemical Engineering, Physical Chemistry and Materials Science, Faculty of Experimental Sciences, Campus de El Carmen, Avda. de las Fuerzas Armadas s/n, 21071 Huelva. Spain

²Department of Genetics, University of Seville and Andalusian Center for Molecular Biology and Regenerative Medicine-CABIMER, University of Seville-CSIC-University Pablo de Olavide, 41092, Spain.

Keywords: DNA, single-chained cationic surfactants, complexation, charge inversion, compaction, critical micelle concentration

^{*}Author to whom all correspondence should be directed

Download English Version:

https://daneshyari.com/en/article/6991205

Download Persian Version:

https://daneshyari.com/article/6991205

<u>Daneshyari.com</u>