

Surface modification of lipid nanocapsules with polysaccharides: From physicochemical characteristics to in vivo aspects.

Samuli Hirsjärvi, Sandrine Dufort, Guillaume Bastiat, Patrick Saulnier, Catherine Passirani, Jean-Luc Coll, Jean-Pierre Benoit

► To cite this version:

Samuli Hirsjärvi, Sandrine Dufort, Guillaume Bastiat, Patrick Saulnier, Catherine Passirani, et al.. Surface modification of lipid nanocapsules with polysaccharides: From physicochemical characteristics to in vivo aspects.. Acta Biomaterialia, Elsevier, 2013, epub ahead of print. <10.1016/j.actbio.2013.01.038>. <inserm-00788698>

HAL Id: inserm-00788698

<http://www.hal.inserm.fr/inserm-00788698>

Submitted on 15 Feb 2013

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Table 1. Size and ζ -potential of the three LNC formulations (measured in water), and the post-inserted LC and LD quantities determined in the LNC cell (mol-% of Solutol® and Lipoid® forming the shell).

	Diameter (nm)	PdI	ζ -Potential (mV)	LC/LD quantity in the LNC cell (%)
LNC	49±1	0.04	-3±1	-
LNC-LC	58±2**	0.06	36±2**	15±3
LNC-LD	62±1**	0.04	-6±5	5±2

** $p < 0.01$ vs. LNC.