

Direct monitoring of lipid transfer on exposure of citrem nanoparticles to an ethanol solution containing soybean phospholipid by combining synchrotron SAXS with microfluidics

ABSTRACT

Lipid exchange among citrem nanoparticles and an ethanol micellar solution containing soy phosphatidylcholine was investigated *in situ* by coupling small angle X-ray scattering with a microfluidic device. The produced soy phosphatidylcholine/citrem nanoparticles have great potential in the development of hemocompatible nanocarriers for drug delivery.

Keyword: Lipid transfer; Citrem nanoparticles; Ethanol solution; Soybean phospholipid; Synchrotron SAXS; Microfluidics