

Supporting Information for Fabrication of robust capsules by sequential assembly of polyelectrolytes onto charged liposomes

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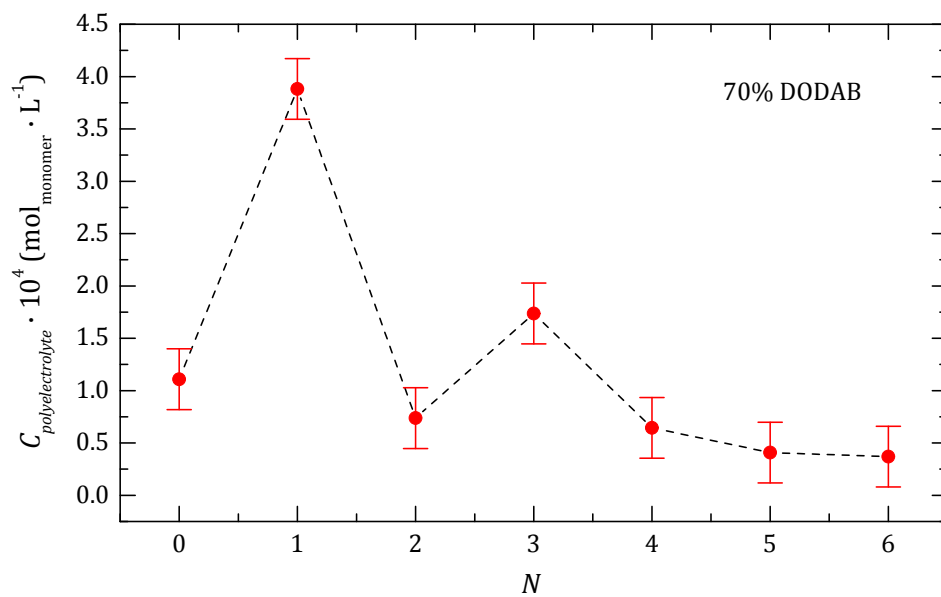


Figure S.1.- Amount of polyelectrolyte needed for reaching overcompensation as a function of the number of PSS/PAH layers deposited onto DOPC:DODAB liposomes with 30:70 compositional ratio.

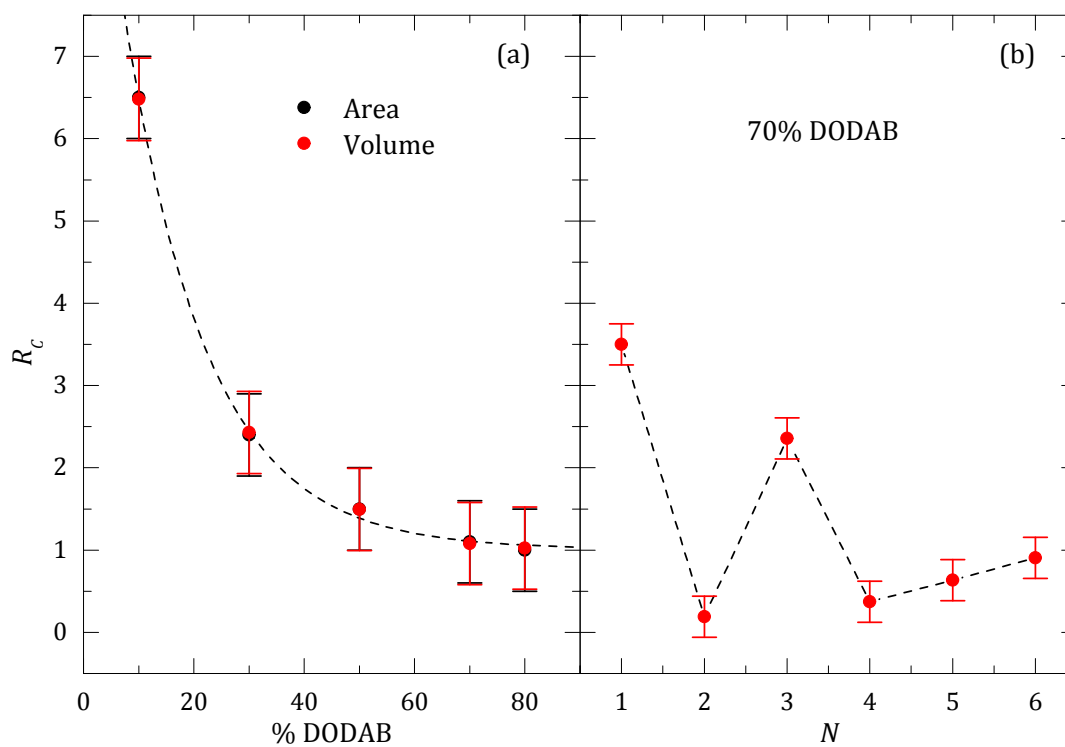


Figure S.2.- (a) Ratio between the number of deposited PSS monomers and charges on the external leaflet of the liposome, R_c , for full charge overcompensation as function of the weight fraction of DODAB in the

liposomes. The labels “area” and “volume” refer to the two ways to calculate the number of charges in the outer layer of the liposome, and the results coincide. (b) Effect of the number of layers on the overcompensation ratio, R_c , of polyelectrolyte monomers on each layer for the deposition of a PSS/PAH onto DOPC:DODAB liposomes with 30:70 compositional ratio.

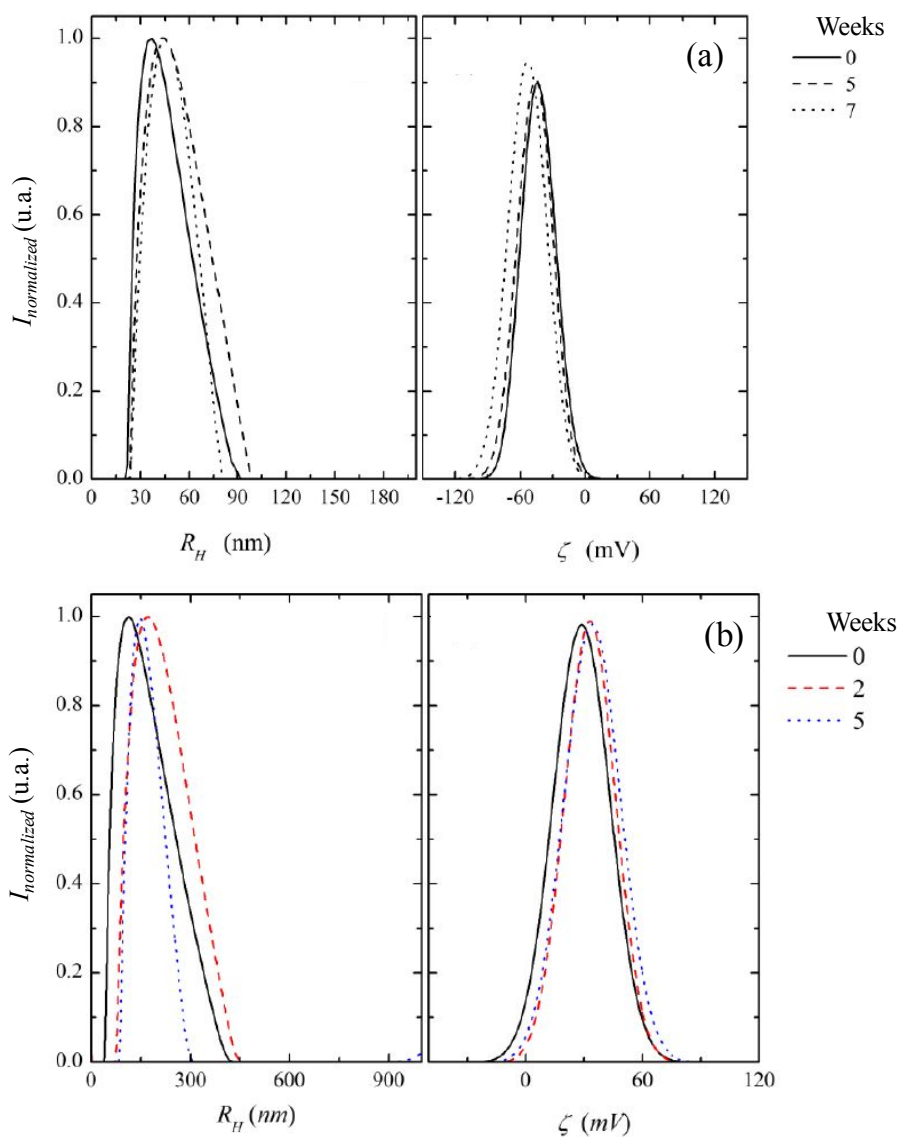


Figure S.3.- Variation of the normalized intensity as a function of the hydrodynamic radius and zeta potential, measured in different times, of (a) liposomes formed by a composition of 40% DODAB and coated with one layer of PSS and (b) coated by two bilayers of PSS/PAH.

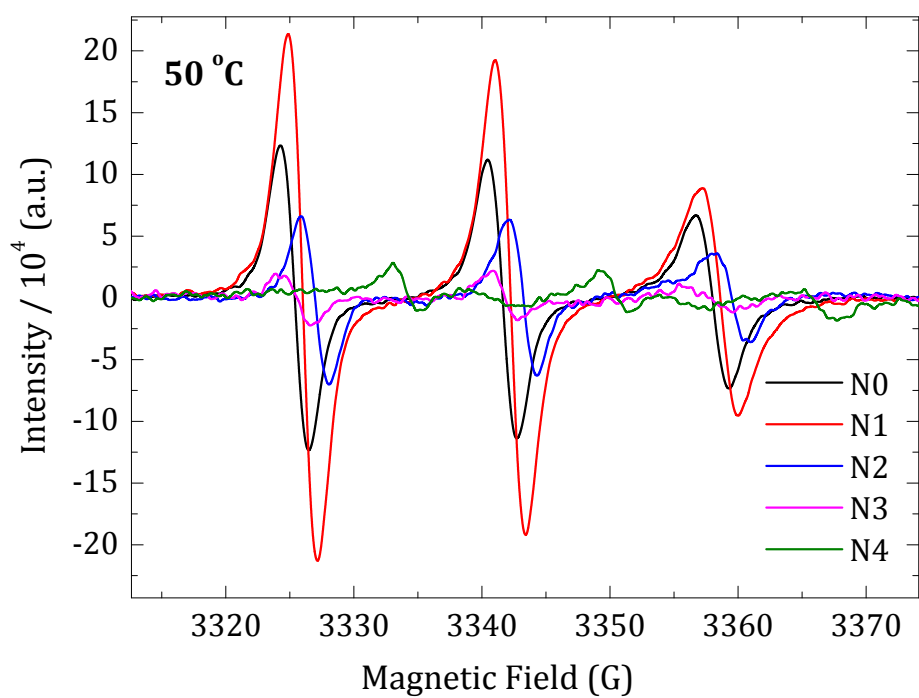
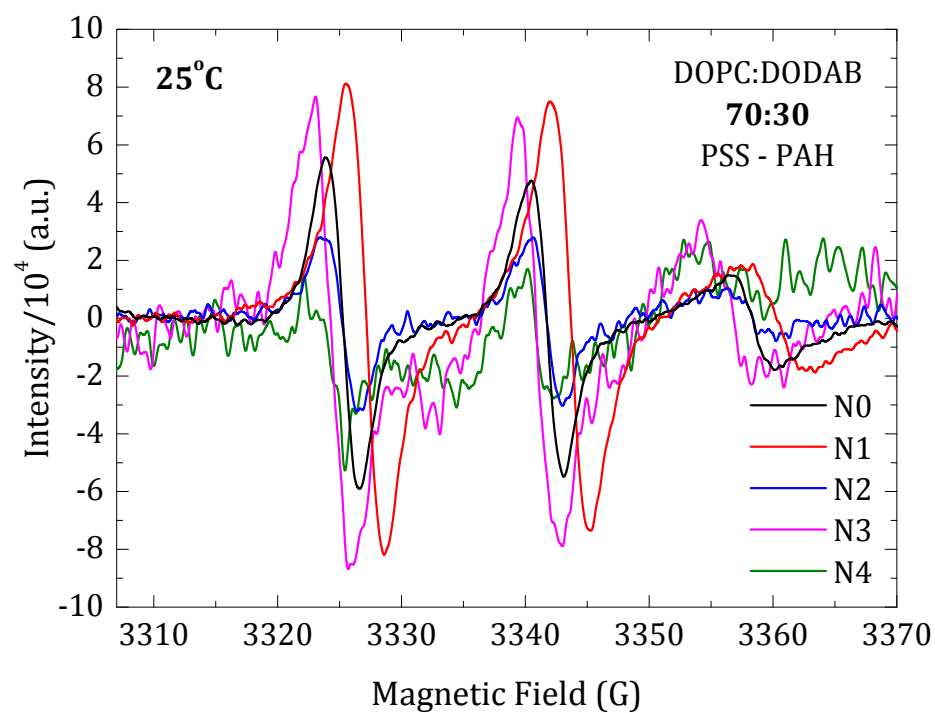


Figure S.4.- Set of ESR spectra for liposomes of DOPC:DODAB (70:30) coated with different number of layers as were obtained at two different temperatures (25° C and 50 °C).