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The Effect of Polysaccharide Adsorption on Surface Potential of Phospholipid Monolayers Spread at Water-Air Interface

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Symbols in captions of Figs. 3 and 4 should be read as follows. These changes do not affect the contents of results and discussion.

Fig.3. Evolution of the surface potential $\Delta(\Delta V)$ with increasing cholesteryl-pullulan concentration in the aqueous subphase:
●: Surface potential ΔV of CHP at the water-air interface in the absence of egg phosphatidylcholine,
○: Monolayer density $(\delta) = 2.03 \times 10^{13}$ molecules/cm^2; the initial surface potential (ΔV_i) before polysaccharide addition was 69 mV,
▲: $\delta = 2.98 \times 10^{13}$ molecules/cm^2; ΔV_i = 153 mV,
△: $\delta = 4.06 \times 10^{13}$ molecules/cm^2; ΔV_i = 195 mV,
■: $\delta = 1.015 \times 10^{14}$ molecules/cm^2; ΔV_i = 276 mV,
□: $\delta = 2.03 \times 10^{14}$ molecules/cm^2; ΔV_i = 330 mV

Fig.4. Evolution of the surface potential $\Delta(\Delta V)$ with increasing cholesteryl-amylopectin concentration in the aqueous subphase:
●: Surface potential ΔV of CHA at the water-air interface in the absence of egg phosphatidylcholine,
○: Monolayer density $(\delta) = 2.03 \times 10^{13}$ molecules/cm^2; the initial surface potential (ΔV_i) before polysaccharide addition was 85.5 mV,
▲: $\delta = 2.98 \times 10^{13}$ molec/cm^2; ΔV_i = 120 mV,
△: $\delta = 4.06 \times 10^{13}$ molec/cm^2; ΔV_i = 168 mV,
■: $\delta = 1.015 \times 10^{14}$ molec/cm^2; ΔV_i = 305 mV,
□: $\delta = 2.03 \times 10^{14}$ molec/cm^2; ΔV_i = 330 mV.