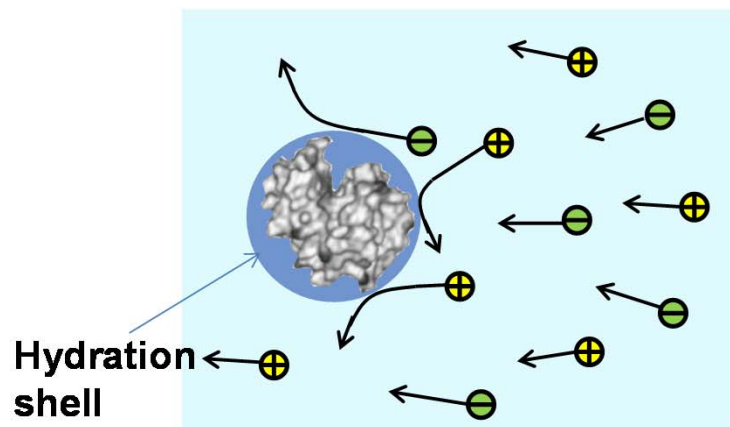
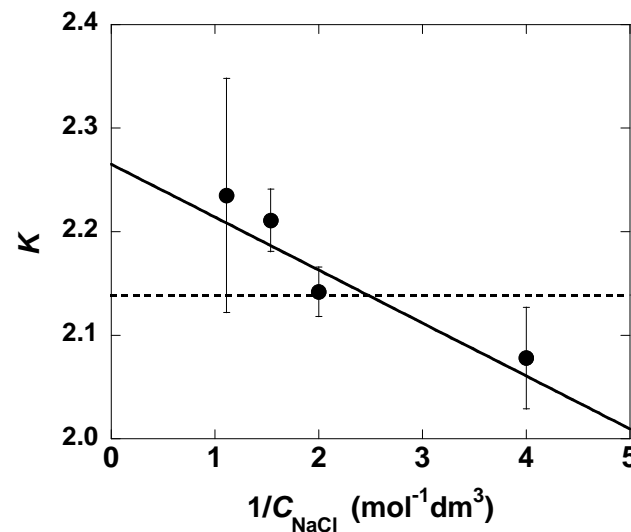
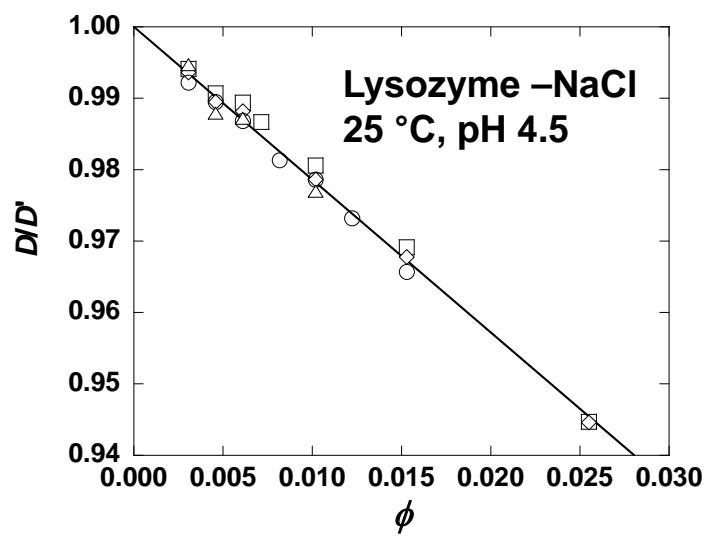
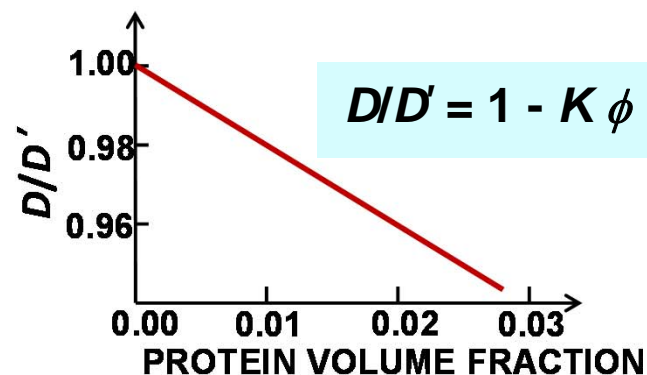


# Diffusion of salt ions in water in the presence of proteins: Probing hydration of enzymes through the obstruction effect



⊕ Sodium ion  
⊖ Chloride ion

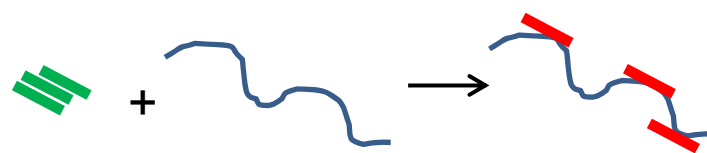
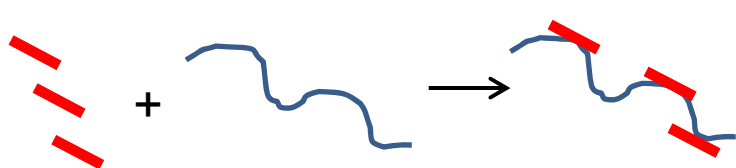
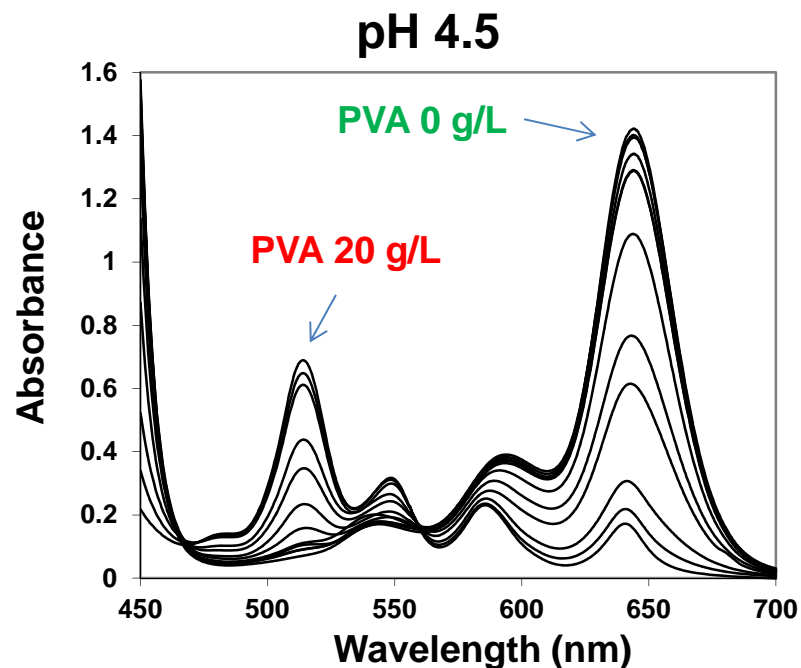
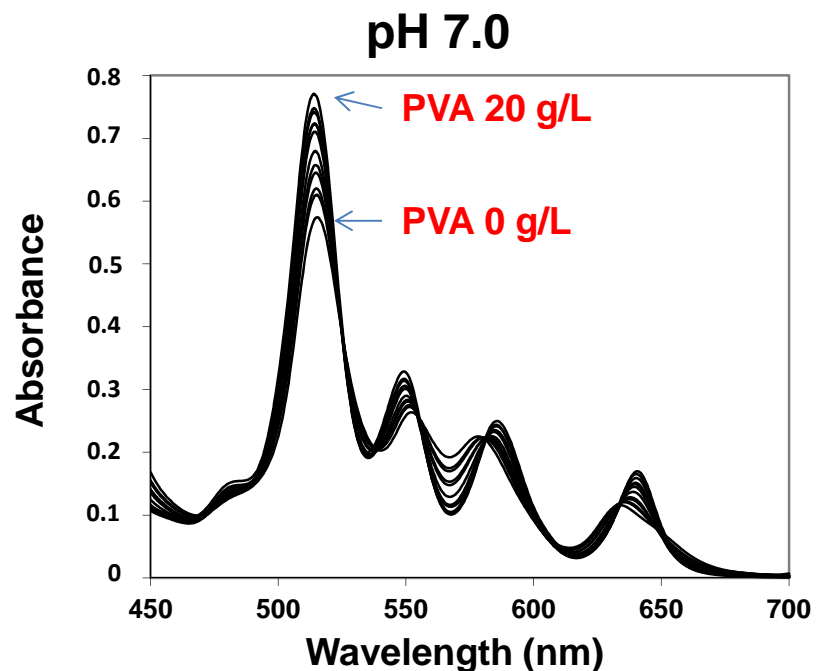
SALT MUTUAL-DIFFUSION COEFFICIENT



**$K = 2.3 \rightarrow$  Hydration Number = 240**

*J. Chem. Eng. Data, submitted.*

# Porphyrim binding to Polyvinyl Alcohol (PVA) in aqueous solutions



Absorbance spectra of porphyrin show isosbestic points indicating two-state systems. At pH 4.5, porphyrin aggregation is significant. PVA-porphyrin binding removes aggregates

*Manuscript in preparation*