

Monovalent salt. Desalination effect.

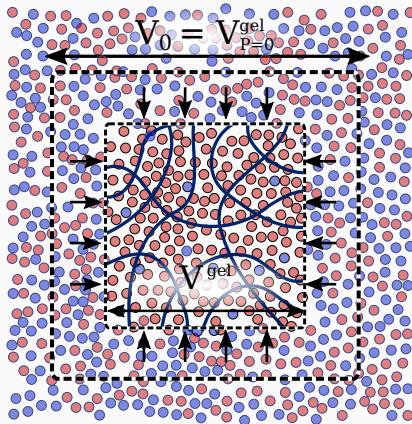


Figure 3: Schematic illustration of the hydrogel being compressed isotropically by pressure ΔP from the initial volume at free swelling equilibrium, V_0 to a volume V^{gel} . Simultaneously, the gel exchanges small ions with a reservoir solution of salinity c_s .