

Stability of colloidal solutions There are two types of stability for colloid solution: sedimentation stability and aggregation stability. Coagulation threshold is the minimal concentration of a given electrolyte that causes visible coagulation of a certain sol. So, the coagulation threshold (C) is calculated from the molarity of electrolyte solution (C) and its volume (V), and from the volume of sol (V).  $C_{\text{coagulation}} = \frac{CV}{V+V}$  The higher the coagulation threshold, the weaker the coagulative ability; and the lower the coagulative threshold, the stronger the coagulative ability of a given electrolyte. Electrostatic .(factor is determined by the electrokinetic potential (4