

The advantage of using ATPS technique is that it reduces the number of initial downstream steps.3.2.5 and clarification, concentration, and partial purification can be integrated in one unit [29]. Three Phase partitioning Three phase partitioning (TPP) is one of the recent methods, which has been developed for separating proteins into a midlayer and has been successfully employed for purification of a number of proteins and enzymes. This polymer–salt system results in higher selectivity in protein partitioning, resulting in an by the pH of the elution buffer. Three phase partitioning is an emerging purification method, which is a simple but elegant non chromatographic process for purification and concentration of proteins. Aqueous two phase systems (ATPS) Aqueous two phase systems (ATPS) offer an attractive alternative meeting present day requirements as well as the criteria for industrially compatible .procedures.3.2.8