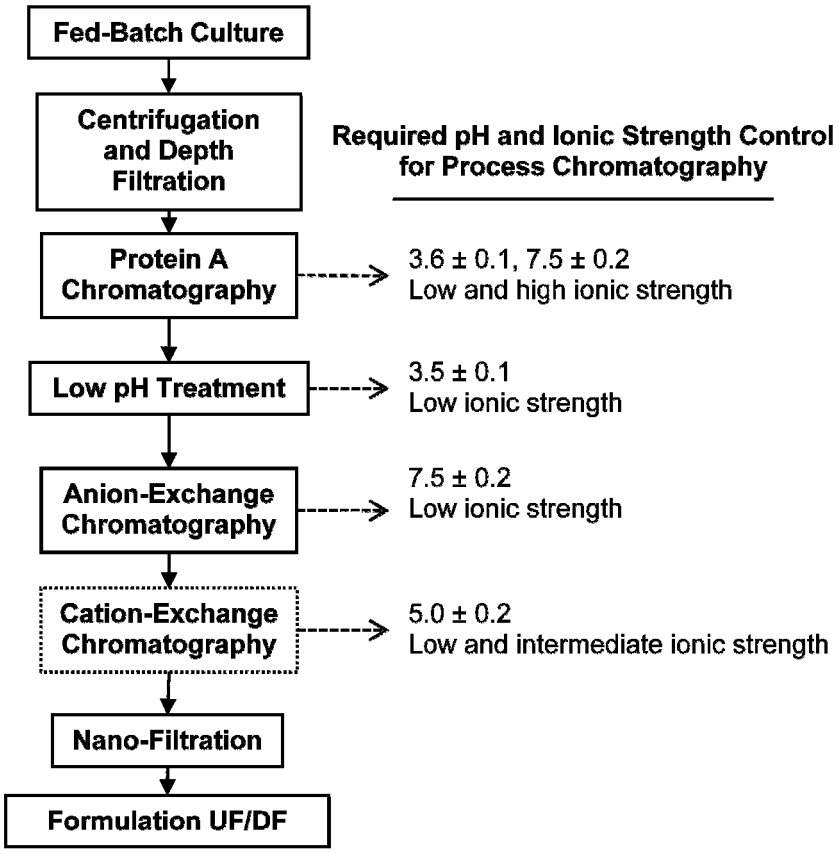


Figure 1. Downstream process flow diagram for mAb platform . Key pH and ionic strength ranges for process chromatography control are shown.

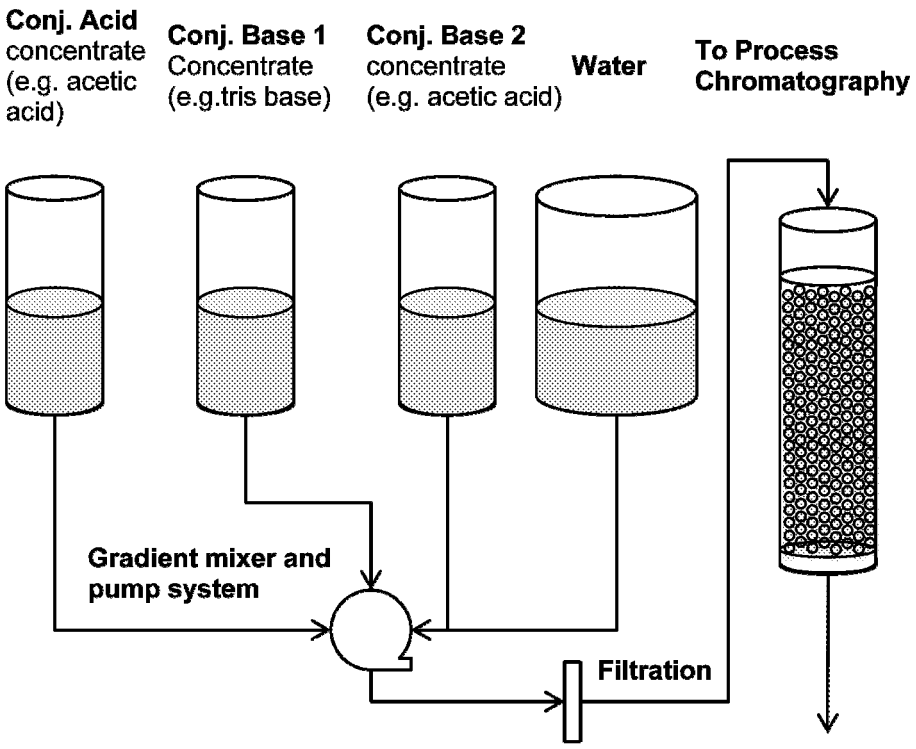


Figure 2. Diagram of ideal large scale buffer prep from concentrates for minimization of raw materials and tank requirements.

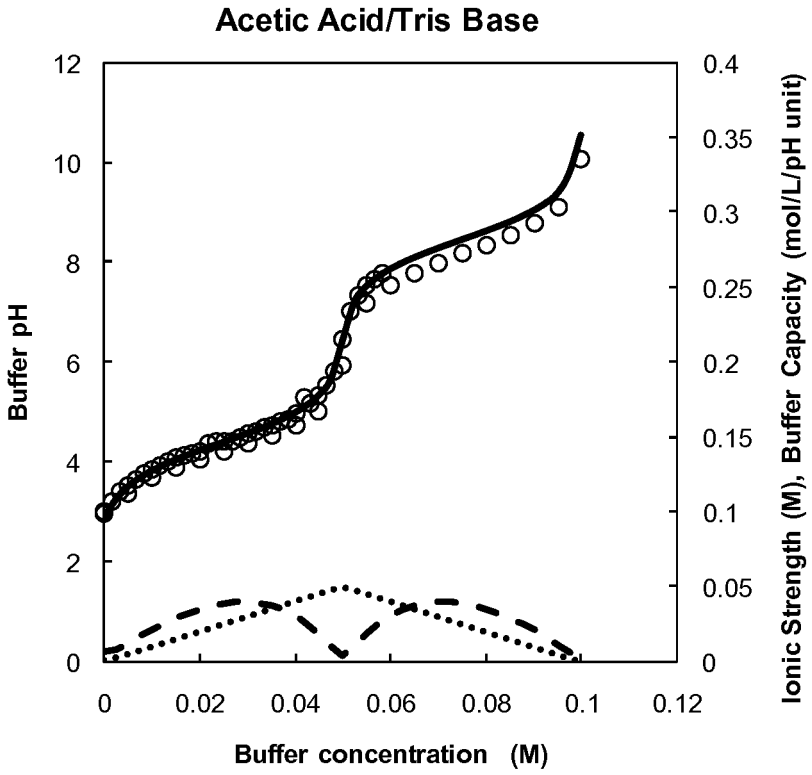


Figure 3. Calculated and experimental pH, ionic strength, and buffer capacity curves for acetic acid and tris base buffer system.

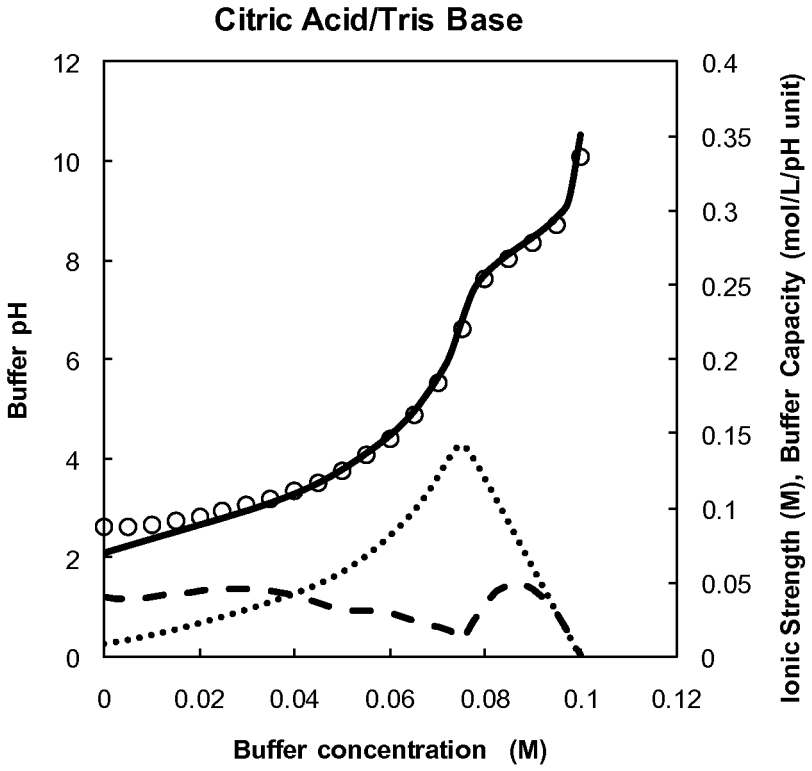


Figure 4. Calculated and experimental pH, ionic strength, and buffer capacity curves for citric acid and tris base buffer system.

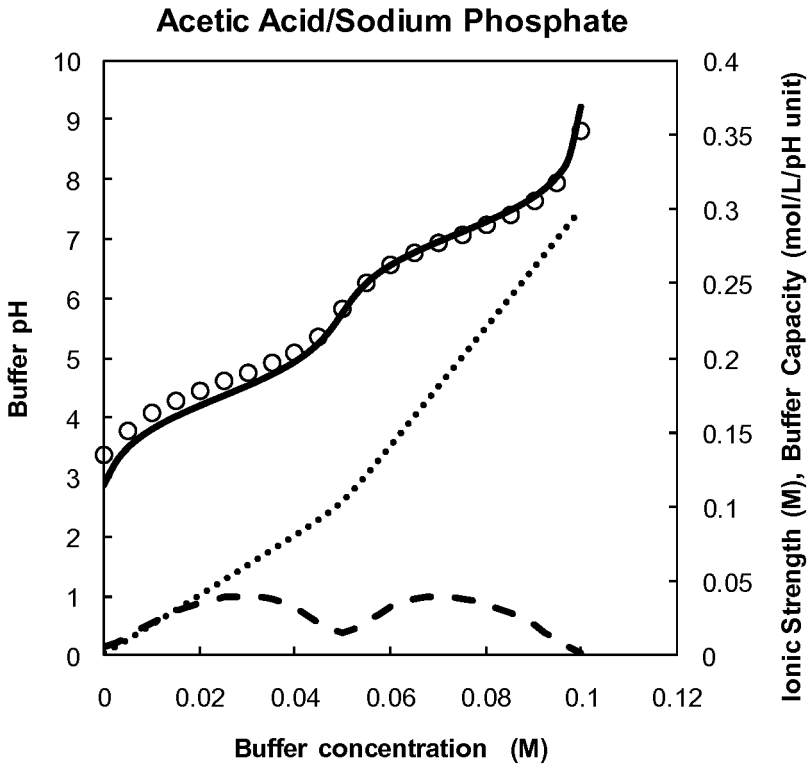


Figure 5. Calculated and experimental pH, ionic strength, and buffer capacity curves for acetic acid and sodium phosphate buffer system.

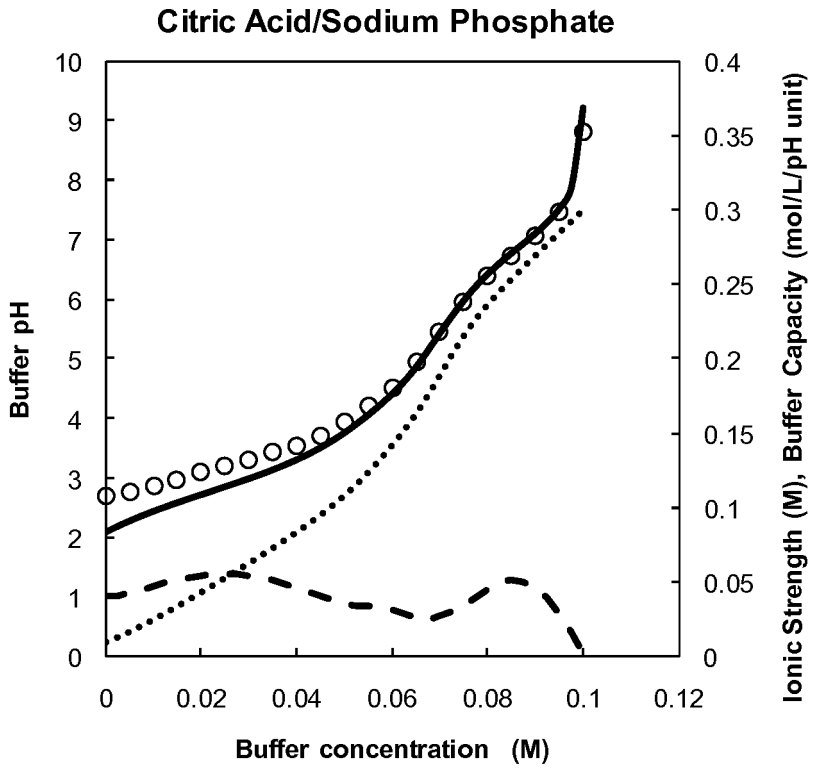


Figure 6. Calculated and experimental pH, ionic strength, and buffer capacity curves for citric acid and sodium phosphate buffer system.