

Techniques - (Tech14.tbk, tech14.doc)

This Toolbook illustrates using animations the principles underlying the techniques of isoelectric focusing, SDS polyacrylamide gel electrophoresis, 2-D gel electrophoresis, DNA electrophoresis, gel filtration and ion-exchange chromatography. The formation of SDS-protein complexes is illustrated together with their mobility in the presence and absence of a gel. The conditions required for binding and elution during ion exchange chromatography are shown through animations. The toolbook ends with a quiz of twenty questions designed to test understanding of the material illustrated. The simulation is suitable for first or second year Science, Medical or Dental students following a course in which Biochemistry is a component.

Dr J M Basford, Department of Biochemistry, University of Wales, Cardiff
Further enquiries: Email - Basford@Cardiff.ac.uk