

### **DNA techniques - (DNA3.tbk, Finger4.tbk)**

These Toolbooks contain a few very short animations that are useful for incorporation into and in support of lectures on Southern blotting and DNA Fingerprinting. DNA3.tbk illustrated DNA electrophoresis and the effects of a gel on DNA mobility in an electric field. The specificity of restriction endonucleases is illustrated and also the difference between specific and non-specific hybridisation. Finger4.tbk illustrates fragmentation and denaturation of DNA and hybridisation of the resulting ssDNA showing that repeated sequences hybridise rapidly. There is also an illustration of the hybridisation of probe ssDNA with satellite sequences

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