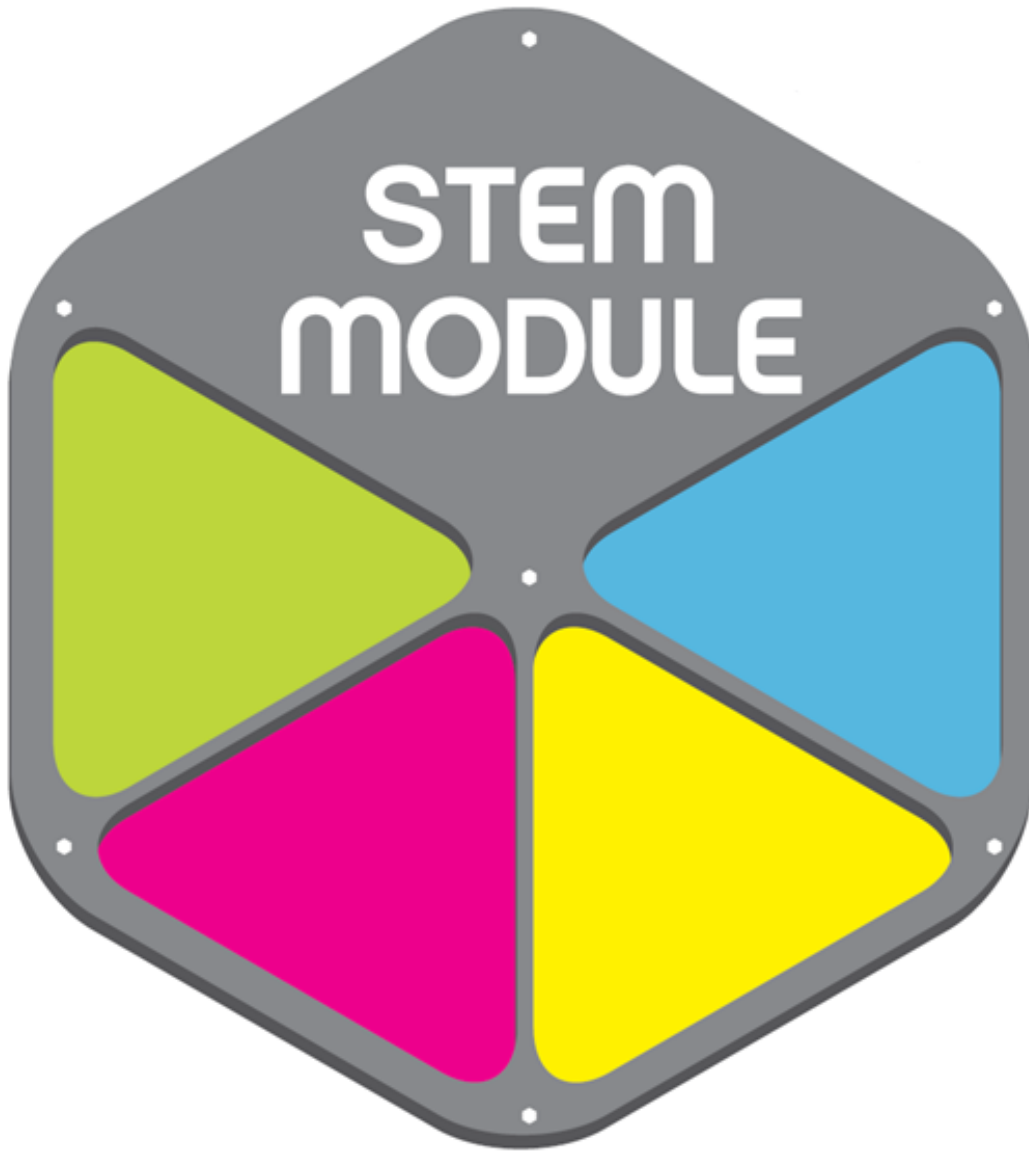


Biotechnology

Restriction Digestion & Analysis of Lambda DNA



Project funded by:



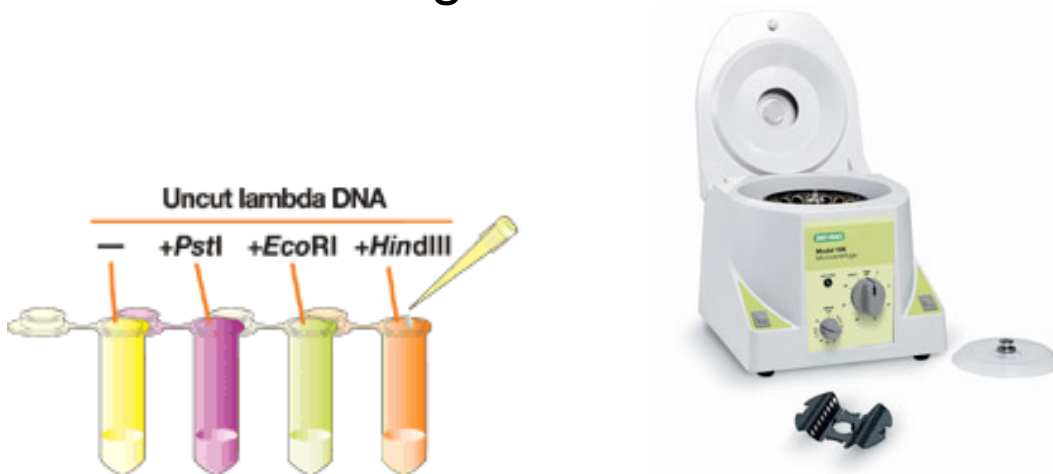
Project managed by:



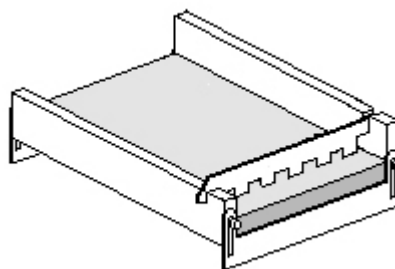
Course – 2.5hrs – A Level

Introduction on the structure of DNA and action of restriction enzymes.

Task 1 – Each group will add Lambda DNA, buffer and different restriction enzymes to micro test tubes using a micro pipette. The samples are then centrifuged and incubated in an oven.



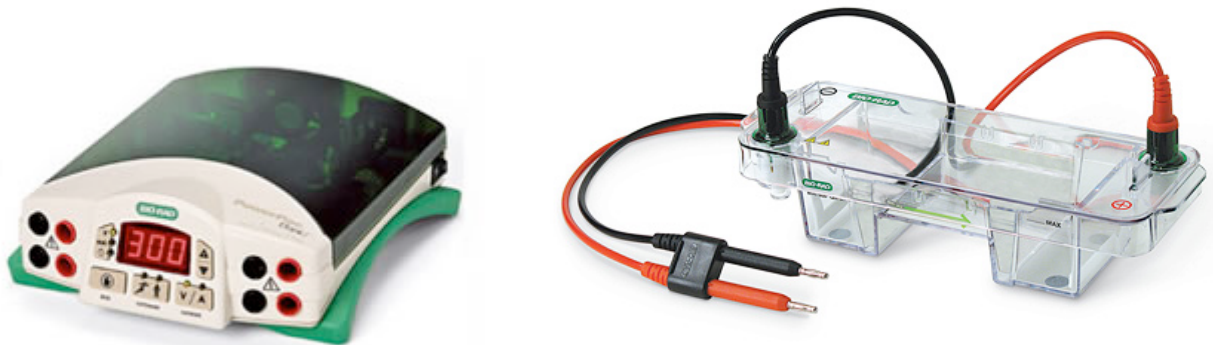
Task 2 – Preparing and casting agarose gels for electrophoresis.



Task 3 – Loading dyes are added to each sample, and then they are incubated for a short period in a water bath.



Task 4 – Setting up and loading the electrophoresis chamber.



Task 5 – Staining and rinsing the agarose gel to visualise results.

