



University of Southampton iGEM 2009 Protocol:
DNA Gel Electrophoresis:

Gel Electrophoresis Protocol:

1. Mix 1 μ l DNA sample with 2 μ l loading buffer and 7 μ l RNase free water to make a total of 10 μ l.
2. Likewise, prepare a DNA ladder standard and a DNA standard using the same ratios of components, except substitute the DNA sample for 1 μ l of DNA ladder or linear DNA accordingly.
3. Load the samples into the wells of an agarose gel (6x9.5 cm, 5.5 mm thick, Sigma P5972). Load the DNA ladder standard on left of the samples and DNA standard on right of the samples.
4. Run the gel for 50 minutes at 100 Volts in 1x TAE buffer
5. Visualise the gel under a UV transilluminator.