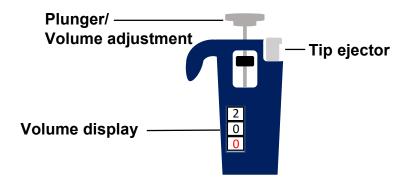
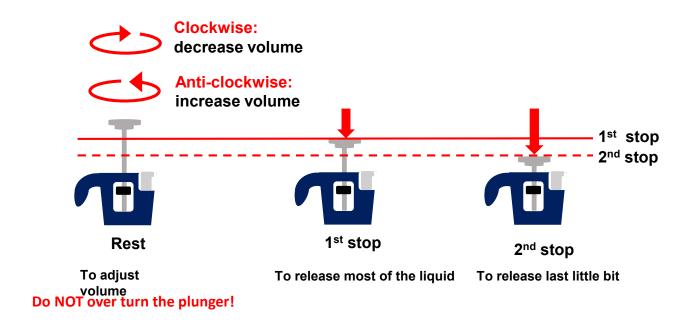
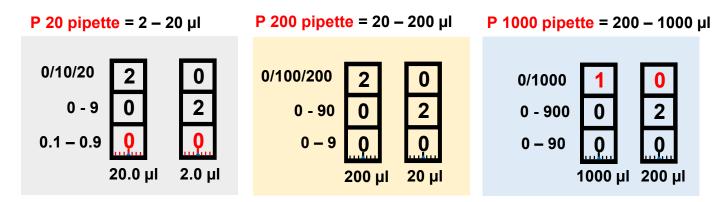
How to use a micropipette?



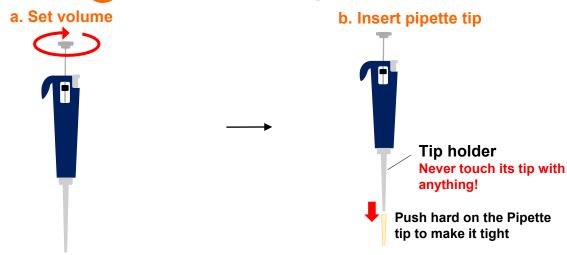


1 Set Volume

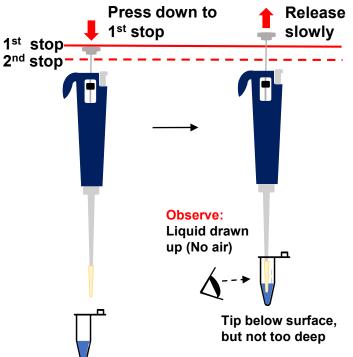


Never set volume above or below the limits!

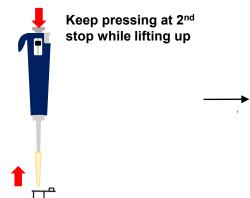
2 Step of pipetting liquid



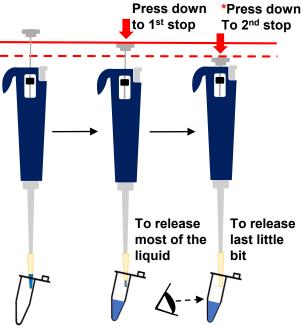




e. Lift up the tip



d. Release liquid

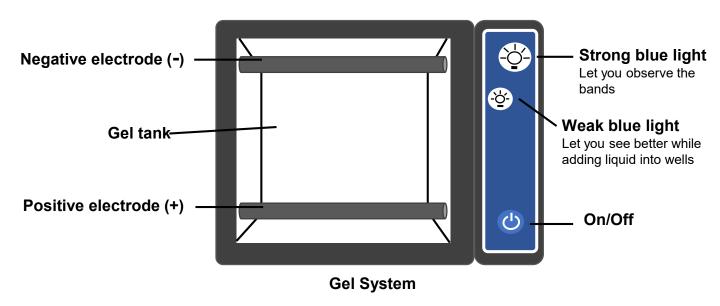


*When adding liquid in wells of the gel, press down to 1st stop only. Pressing to 2nd stop will eject air, making the liquid in the well spill out.

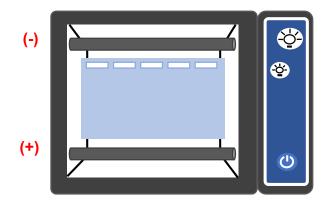
f. Eject the tip



How to do a gel electrophoresis?

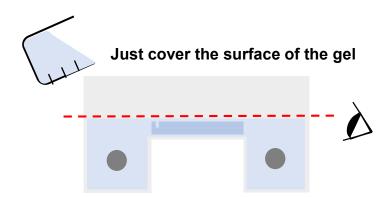


a. Put the gel into the gel tank



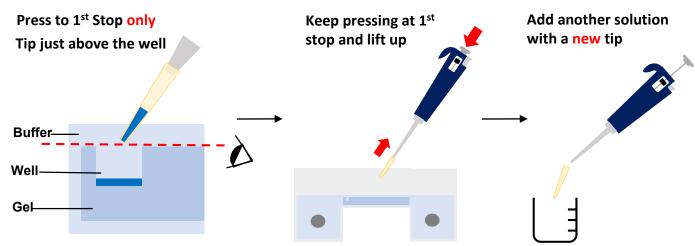
Make sure the wells are on the negative (-) side

b. Add buffer to the gel tank



How to do a gel electrophoresis?

c. Add solution into the wells



Press weak blue light to make the wells easier to see

d. Turn on power (1)

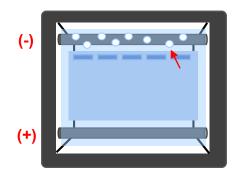




Place the photo hood on the gel system

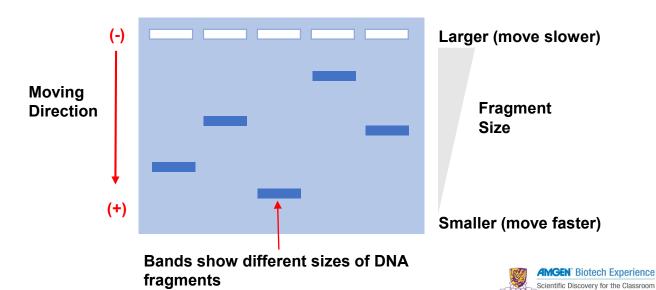
Press strong blue light to observe the bands

e. Start running the gel

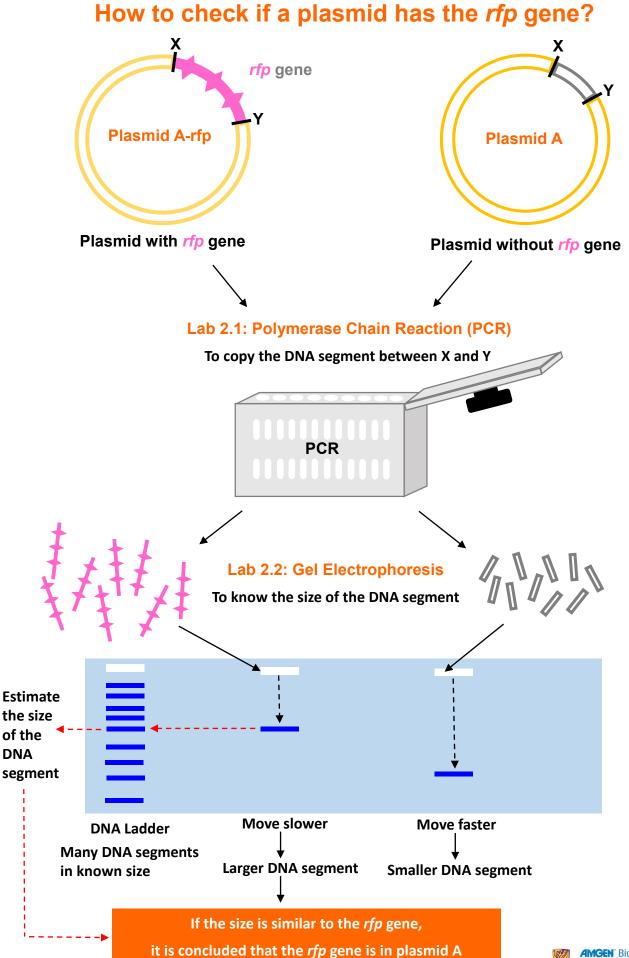


Bubbles come out at negative (-) electrode

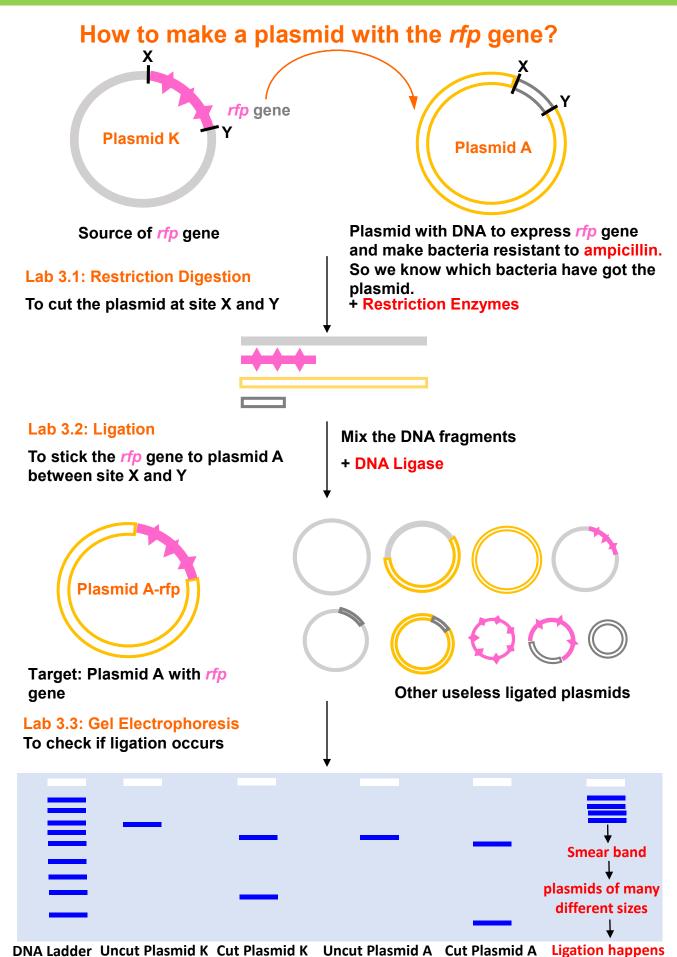
f. Observe bands appearing from (-) to (+) electrode



Chapter 2 Identifying a Recombinant Plasmid

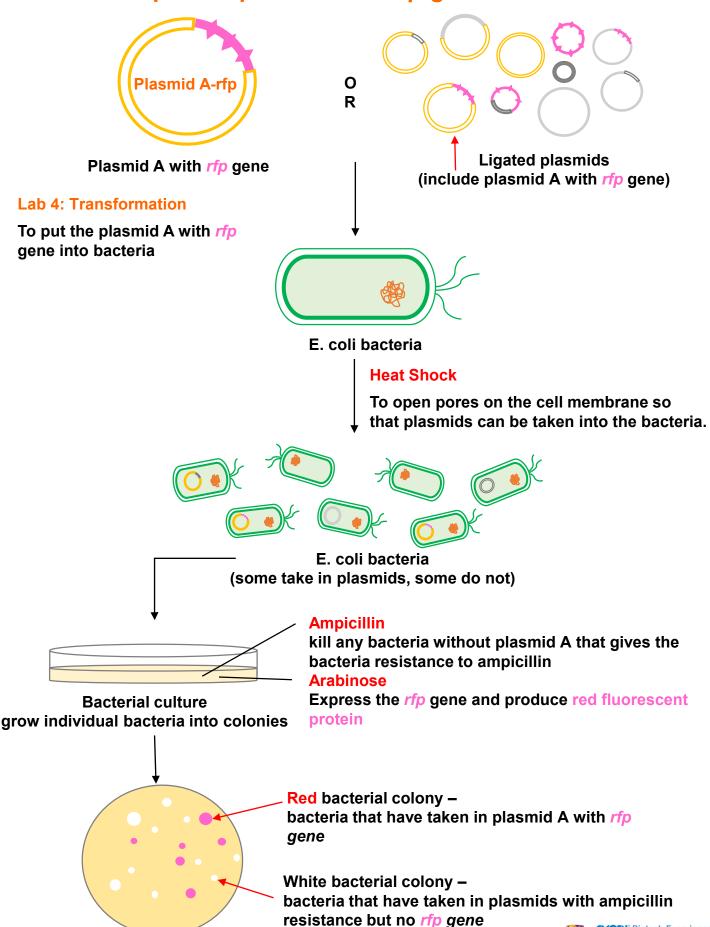


Chapter 3 Constructing Recombinant Plasmid



Chapter 4 Creating Genetic Modified Bacteria

How to put the plasmid with rfp gene into a bacteria?



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