

Electrophoresis

Tools :

1. Micropipet
2. Glass bottle for agarose + aquades
3. Tips
4. Agarose molding
5. Electrophoresis tool
6. Gel Doc + computer

Material :

1. Agarose 0,8 gr
2. Aquades dH₂O 100ml
3. TAE 0,5
4. Loading dye
5. Ladder (marker)
6. DNA

Procedure :

1. Scales the agarose 0,8 gr
2. Dilute it with TAE 0,5x 100 mL
3. Heat in oven for 5 minutes
4. Cooling down until it warm
5. Pour it into chamber and the comb
6. Wait until the gel rigid
7. Take out the agar and put into electrophoresis chamber
8. Prepare the template, loading dye 6x, and DNA marker 10kbp
9. Drop 2 uL loading dye 6x, mix it with 4 uL template. Up down it for mixing. Drag up and total volume 6 uL. Drop into the well. And don't forget to drop the marker too into the well.
10. Running the electrophoresis. Turn on the machine 100V, 25 minutes
11. Staining in gel red chamber for 10 minutes
12. Destaining in TAE 0,5x chamber for 7 minutes
13. Take out and put into gel doc machine for documentation