Gel Electrophoresis

Material

Agarose
1×TAE buffer
ddH2O
6x loading buffer
DNA
GelStain(10000x)

Proceure

1.Prepare 34mL 1xTAE buffer with 1.7g agarose, and boil it three times, then add 1.7μL GelStain, shake well.

2.Pour the agarose gel into gel tray, assemble gel pouring apparatus by inserting gate into slots.

3.Allow agarose to cool, place the gel in the apparatus rig with the wells facing the negative end (black-colored).

4.Fill the rig with 1x TAE buffer.

5.Load 2μL of DNA maker into lane.

6.Mix 1μL of 6x loading buffer with 2μL DNA sample, load them into lane.

7.Run at 100V for 30 min.

8.Use the Gel imaging system to check the gel.

9.Take a picture.

10.Throw away the gel carefully and clean up the table-board.