

Agarose gel electrophoresis

Aim of the Experiment

This experiment can be used for identifying the success of PCR amplification and estimate the length of amplified DNA fragment.

Materials

- TAE buffer solution (50×)
- TAE buffer solution (1×)
- Agarose
- 1kb Plus DNA Ladder Marker

Procedure

1. Determine the concentration of the gel to be prepared, weigh the agarose powder, add the corresponding amount of TAE buffer solution and mix well. Then put it in the microwave oven for about 5 minutes, pour it into the mold, insert the comb and wait for it to set.
 2. Take 1kb plus DNA and 5ul sample respectively, mix them with loading buffer, point the sample, and turn on the electrophoresis instrument.
-