

Agarose Gel Preparation Protocol

Aim

To prepare an agarose gel and an electrophoresis solution.

Equipment

- Electrophoresis tank
- TAE 50X*
- Comb
- Agarose* powder
- Microwave oven



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Protocol

100 ml electrophoresis gel	
De-ionized water	98 ml
TAE 50X	2 ml
Agarose 0.7%	0.7g

1. Mix the TAE 50X and water first, then pour the solution in an Erlenmeyer and add the agarose.
2. Microwave until the solution is transparent and mix every 30 s.
3. Once the solution is clear, cool the Erlenmeyer using tap water.
4. Add the comb for the wells in the tank.
5. Pour the solution in the electrophoresis tank and wait for the gel to dry.

Electrophoresis solution mix	
De-ionized water	495 ml
TAE 50X	5 ml

*TAE : Tris Acetate EDTA (Sigma), Agarose (Life Technologies)