



## ELECTROPHORESIS

### MATERIALS

- Loading buffer
- Molecular weight marker
- Gel cassette
- Agarose
- TAE or TBE 1X

### EQUIPMENT

- Electrophoresis chamber
- Power supply
- Microcentrifuge

### PROTOCOL

Before starting the electrophoresis we must give a short centrifugation to the tubes that contain the sequences that you want to visualize to lower all the DNA contained in the tube, later:

1. Prepare an agarose gel with 30mg of agarose and 30mL of TAE1X.
2. Melt the agarose in the microwave.
3. Pour the agarose into the plastic cassette to form a 1% gel with the molten agarose and let it cool.
4. Once the agarose gelled, remove the comb from the gel and place inside the electrophoresis chamber.
5. Fill the electrophoresis chamber 80% with the same Buffer used to hydrate molten agarose.

### References:

Sambrook J. y D. W. Russell. 2001a. Molecular cloning: a laboratory manual. Vol 1-3. Cold Spring Harbor Laboratory Press, New York, EE.UU., pp. 5.61-5.64

Sambrook J. y D. W. Russell. 2001b. Molecular cloning: a laboratory manual. Vol 1-3. Cold Spring Harbor Laboratory Press, New York, EE.UU., pp. 5.65-5.67