2.5% Gel Electrophoresis

1. Prepare a 2.5 % gel by measuring out 1 gram of Agarose GPG/ME and 1.5 Agarose supra sieve and dissolving it in 100 ml of 1x TAE buffer. (You can prepare TAE buffer from a 50X TAE buffer).
2. Heat the agarose/TAE suspension in a microwave for 30 seconds, swirl to dissolve and heat similarly until the agarose dissolves completely.
3. Let the agarose gel cool down a little bit (so that you can hold the glass bottle in which it was heated to dissolve). Add 5 ul of EtBr (10mg/ml) and swirl the bottle. Pour the gel into the electrophoresis tray. Allow it to dry and remove any bubbles that may form.
4. Pipette 1 ul of 6X DNA loading dye onto parafilm. Then pipette 5 ul of sample to be loaded from the eppendorf tube and pipette up and down the sample with the loading dye.

Load the sample into the gel. Repeat step 4 and 5 for all the DNA and RNA samples. Run the gel at 100 Volts and save the picture.