Gel electrophoresis protocol

Goal-to confirm the PCR/Restriction reaction by gel electrophoresis

Materials:
DNA template
Agarose
Tris-acetate-EDTA (TAE) buffer
loading dye
Etidium Bromide
DNA ladder

Procedure:
1. Prepare your gel according to the size of your DNA template.
2. In a chemical hood: Add 2 drops of Ethidium Bromide before you pour your gel into the chamber. (WARNING! ETHIDIUM BROMIDE IS EXTREMELY CANCERIGENOUS!)
3. Mix 4ul of DNA with 1ul of loading dye by pipetting up and down a couple of times.
4. Load your samples and appropriate marker into your wells.
5. Apply 100 volts to the chamber for 30 minutes.
6. Check your gel using UV emitting device.