

Urea PAGE

AIM: To perform Urea PAGE for nucleic acids (DNA/RNA).

Materials Required:

- 1X TBE
- Pre-made Polyacrylamide solution with 8M Urea
- APS
- TEMED
- EtBr

Procedure:

- Set up the apparatus before making the gel. Make sure there is no leakage.
- Take a 25ml beaker and add 10ml of polyacrylamide solution.
- Add 80ul APS and 10ul TEMED. Mix the solution quickly and pour it into the cassette as soon as possible.
- Let it set for 20-30 mins.
- Set up the plates along with the gel in the box within the assigned space. Make sure you have placed it properly so that there is no leakage.
- Fill the box with 1X TBE till the mark shown in the box.
- Load your samples.
- Make the appropriate negative and positive connections, set up the time and volt, and run the gel.
- After the running is completed, remove the gel from the cassette and put it into a solution containing 50ml water and 2ml EtBr.
- Visualise and analyse the gel.