Polyacrylamide gel electrophoresis |PAGE|

Before you begin

Prepare 5X TBE buffer as follows:

In 250mL of distilled water, add: 13.5g Tris base, 6.88g boric acid, 0.94g EDTA. Adjust pH to about 8 with HCl if needed.

Method

1. Place the gel in the cassette and pour 1X TBE (dilute 1 part of 5X TBE with 4 parts of distilled water) until the wells are filled with buffer. Wait a few seconds and check that no leaking occurs.
2. Pour 1X TBE buffer in the tank.
3. Prerun the gel at 150V for 30 mins. DO NOT add your samples yet.
4. After 30 mins, add 20-30μL of sample in each well.
5. Run the gel at 150V until the tracking dye reaches the end. At first smiley bands may appear, but after about 10-15 mins all tracking dyes will be running on the same level.
6. Stop the run when the tracking dye reaches the end of the gel.
7. Place the gel in Ethidium bromide for at least 1 hour (optimal results are observed after 2 hours)
8. Visualise the gel under a UV light.