

Protocol for Dialysis and concentration of proteins.

Code: Protein_DC

Materials

- Ultrapure water
- 50 mM Tris Buffer pH 7.45
- 3K Amicon-15 mL
- Centrifuge

Procedure

Amicon wash

1. Add 15 mL of ultrapure water to an a 3K amicon-15mL.
2. Centrifuge for 20 min at 5000 g.
3. Discard both phases and repeat the process two more times.
4. Do steps 1 to 3 but use 50 mM Tris Buffer instead of ultrapure water.

Dialysis

1. Transfer the protein to the previously washed amicon and complete the volume (15 mL) with 50 mM Tris Buffer.
2. Centrifuge for 50 min at 5000 g.
3. Repeat the process till the imidazole concentration is 0.009 mM or less.
4. Store the upper phase in a 1.5 mL tube at 4°C.

Concentration

1. Transfer the protein to the previously washed amicon.
2. Centrifuge at 5000 g for the time necessary to reach the desire volume.
3. Store the upper phase in a 1.5 mL tube at 4°C.