

BIOCHEMICAL TECHNIQUES

1. In gel filtration, biomolecules are separated according to:

- a) The net charge
- b) The difference in molecular weight
- c) Ability of diffusion through porous membranes
- d) Polarity
- e) Solubility

2. Radio Immune Assay (RIA):

- a) Is used for purification of hormones
- b) Involves the use of radioactive elements
- c) Is used for quantitative measurements of hormones
- d) Requires a pure antigen of known concentration
- e) "A" is the only wrong statement

3. Electrophoresis:

- a) Involves the use of polyacrylamide gel
- b) Can be used for purification of proteins and nucleic acids
- c) Is usually followed by Western blotting for proteins
- d) A, B and C are all correct
- e) Only B is correct

4. The following technique is the most suitable for the separation of a mixture of the 20 amino acids:

- a) Two dimensional electrophoresis
- b) Gel filtration
- c) Affinity chromatography