

Clinical Practice in Biochemistry

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Answer True (T) or False (F)

1. Immunoglobulin A (IgA) is the most antibody use in immunoassay

(F)

2. Immunoelectrophoresis is Unlabeled immunoassays (T)

3. In Competitive immunoassay Use a labeled reagent Ab to detect the Ag (F)

4. Whole blood is the specimen for Protein electrophoresis (F)

6. One advantage of high-resolution Protein electrophoresis is Low volumes of buffers required (F)

7. In electrophoresis change voltage or current ; increased ionic strength usually increase migration velocity (F)

8. In electrophoresis overheating can denature (precipitate) proteins and cause very thin, sharp bands (F)

Choose the ONE correct answer:

1. The following pattern of serum protein electrophoresis is obtained :

Albumin : decrease

α 1-and α 2-globulins: normal

β - and γ -globulins: increased

This pattern is characteristic of which of the following conditions?

2. Mention three of the Applications of ELISA ?

- Analysis of hormones, vitamins, metabolites, diagnostic markers Eg. ACTH, FSH, T3, T4 , Glucagons, Insulin,

- Therapeutic drug monitoring:

Eg. Digoxin, morphine, Barbiturates.

- Diagnostic procedures for detecting infections Eg. HIV