

Quiz 3

Select the best answer (MCQ)

1- ELISA allows for rapid detection and quantification of the presence of ----- in a sample.

- a) Amino acid b) DNA c) antigen d) protein

2- Arrange the following steps about ELISA in chronological order

i. incubate with secondary antibody-enzyme complex that binds primary antibody

ii. coat surface with antigen in polystyrene plate

iii. add substrate, formation of colored product indicates presence of specific antigen

iv. incubate with primary antibody against specific antigen

- a) i, iv, ii, iii b) i, iv, iii, ii c) ii, iv, iii, i d) ii, iv, i, iii

3- What is the role of horseradish peroxidase conjugate in the experiment?

- a) antigen b) antibody c) conjugated enzyme d) none of the previous

4- In the direct ELISA, product formation (monitored as color intensity) is _____ the concentration of the antigen concentration in the sample.

- a) proportional to b) inversely proportional to c) independent of d) none of the previous

5- Which of the following best describe the agglutination test?

- a) A combination between soluble antigen with soluble antibody
b) A combination between insoluble antigen with soluble antibody
c) A reaction that produce no end point
d) A reaction that required instrument to read