

Unit 8 - Week 6

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Assignment 6

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-10-28, 23:59 IST.

- 1) Precipitation reactions carried out in agar gels are referred to as 1 point
- Agglutination reaction
 - Immunodiffusion reaction
 - Flocculation reaction
 - Neutralization reaction
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
b.
- 2) The result of ELISA test is determined by measuring the 1 point
- Intensity of the colour
 - Intensity of the radioactivity
 - Change in chemiluminescence
 - Diameter of precipitin ring
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
a.
- 3) Incubation of microtiter plate with a non-specific protein solution after coating of antigen or antibody is known as 1 point
- Coating
 - Blocking
 - Washing
 - Binding
 - Detection
- a.
 b.
 c.
 d.
 e.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
b.
- 4) What is the purpose of adding secondary antibody while performing western blotting or ELISA? 1 point
- Block any interfering noise coming from membrane or well
 - For ensuring the proper binding of primary antibody to membrane or well
 - Allow detection of antigen sample by binding primary antibody
 - Separate the sample from other proteins
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
c.
- 5) The correct sequence for western blotting is 1 point
- Performing the polyacrylamide gel electrophoresis (PAGE)
 - Transfer proteins to the PVDF membrane
 - Proteins are denatured by SDS, and by boiling
 - Incubate the PVDF membrane to primary antibodies and secondary antibodies subsequently
- I, II, III, IV
 - I, III, II, IV
 - III, I, II, IV
 - III, I, IV, II
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
c.
- 6) In the immunostaining technique, the proteins are stained with 1 point
- Antigen
 - Coomassie brilliant blue
 - Silver stain
 - Antibody conjugated to fluorophore
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
d.
- 7) To make the intracellular targets accessible to the antibodies, permeabilization is performed. All are permeabilization agents except 1 point
- Triton X-100
 - TWEEN20
 - Saponin
 - Paraformaldehyde
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
d.
- 8) Which of the following statement (s) is/are true for Flowcytometry 1 point
- Forward light scatter (FSC) is related to size of cell
 - Forward light scatter (FSC) is related to granularity of cell
 - Side light scatter (SSC) is related to the size of the cell
 - Side light scatter (SSC) is related to the granularity of cell
- I and III
 - II and III
 - I and IV
 - II and IV
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
c.
- 9) The technique that uses the laser to analyse the characteristics of cells is 1 point
- ELISA
 - Western blot
 - Flowcytometry
 - Immunodiffusion
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
c.
- 10) The increase of cell surface MHC II expression of activated macrophage can be visualized by 1 point
- ELISA
 - Western Blot
 - Immunodiffusion
 - Immunofluorescence
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
Score: 0
Accepted Answers:
d.