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Unit 14 - Week 12

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Course outline

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Lecture 52 : Immunoassay Techniques

Lecture 53 : Western

Assignment 12

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-04-24, 23:59 IST.**

1) Western blotting is done to detect 1 point

- a. Specific DNA
- b. Specific RNA
- c. Specific protein
- d. Specific DNA-protein complex

No, the answer is incorrect.

Score: 0

Accepted Answers:

c. Specific protein

2) In western blotting, the first step is to 1 point

- a. run a SDS-PAGE
- b. run an agarose gel
- c. transfer the proteins in a membrane
- d. add primary antibody to the sample

No, the answer is incorrect.

Score: 0

Accepted Answers:

a. run a SDS-PAGE

3) The proteins of the sample are separated using 1 point

- a. SDS-PAGE
- b. Western blot
- c. Protein purification
- d. Immunoblot

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Solution

- a. Southern blotting
- b. Hybridization
- c. Immunoblotting
- d. Immunoprecipitation

No, the answer is incorrect.

Score: 0

Accepted Answers:

c. Immunoblotting

5) For DNA finger printing which of the following technique is used?

1 point

- a. Eastern blotting
- b. Western blotting
- c. Northern blotting
- d. Southern blotting

No, the answer is incorrect.

Score: 0

Accepted Answers:

d. Southern blotting

6) Which of the technique is suitable for detecting a specific mRNA expression in cell?

1 point

- a. Northern blotting
- b. Southern blotting
- c. Western blotting
- d. Co-immuno precipitation

No, the answer is incorrect.

Score: 0

Accepted Answers:

a. Northern blotting

7) In blotting techniques, a probe is

1 point

- a. a specific protein to detect DNA
- b. a short piece of labelled double stranded DNA which is complementary to a specific DNA
- c. a short piece of labelled single stranded DNA or RNA which is complementary to a specific DNA or RNA
- d. all of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

c. a short piece of labelled single stranded DNA or RNA which is complementary to a specific DNA or RNA

8) The non-specific sites on the nitrocellulose membrane can be blocked by

1 point

- a. Tween 20
- b. Sodium dodecyl sulfate
- c. Sodium chloride
- d. Rehydrated powder milk

No, the answer is incorrect.

Score: 0

Accepted Answers:

d. Rehydrated powder milk

9) Why the probe is labelled? **1 point**

- a. Improve binding capability
- b. improve location identification
- c. improve visibility
- d. improve stability

No, the answer is incorrect.

Score: 0

Accepted Answers:

b. improve location identification

10) What is the major force behind protein or nucleic acids to go out from the gel onto the membrane? **1 point**

- a. electric current
- b. pH gradient
- c. pressure
- d. temperature

No, the answer is incorrect.

Score: 0

Accepted Answers:

a. electric current

11) In Northern hybridization probe hybridization forms **1 point**

- a. RNA-antibody hybrid
- b. DNA-DNA hybrid
- c. DNA-RNA hybrid
- d. All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

c. DNA-RNA hybrid

12) To detect the protein in Western blotting, **1 point**

- a. antibody is used
- b. antigen is used
- c. DNA probe is used
- d. RNA probe is used

No, the answer is incorrect.

Score: 0

Accepted Answers:

a. antibody is used

13) If you want to strip an already used membrane for western blotting which of the following membranes is best to use? **1 point**

- a. Nitrocellulose
- b. PVDF

- c. Nylon
- d. All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

b. PVDF

14) What will happen if you forget washing the membrane after incubation with primary and secondary antibody?

1 point

- a. Background noise will be very high
- b. Whole blot will be dark
- c. No specific band will be observed
- d. All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

d. All of the above

15) Why "ghost bands" appear in blots?

1 point

- a. Blocking was not done
- b. Too much protein has been loaded
- c. Incubation with primary antibody was too long
- d. Too much substrate for secondary antibody was added

No, the answer is incorrect.

Score: 0

Accepted Answers:

b. Too much protein has been loaded

c. Incubation with primary antibody was too long

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