Assignment 5

Due on 2018-09-04, 23:59 ET.

Unit 7 - Week 5: Recombinant DNA Technology (Part 1)

Course Outline

How to answer the questions?

Week 5: Recombinant DNA Technology (Part 1)

Assignment 5

1. The method of detecting the inserted DNA 3 page
   a. hybridization
   b. transformation
   c. electrophoresis

2. The recombinant plasmids that efficiently selecting DNA are called 3 page
   a. vectors
   b. plasmids
   c. competent cells

3. The translocation of the DNA inside the transformation 3 page
   a. active translocation
   b. passive translocation
   c. both

4. The vector or the cell that would accommodate the recombinant plasmid 3 page
   a. Cos
   b. Actin
   c. both

5. Please write the steps described in the question and choose the correct option. 3 page
   a. 1, 2
   b. 1, 2, 3
   c. 1, 2, 3, 4, 5

6. If the enzyme that cuts the DNA is the restriction enzyme, the enzyme that joins 3 page
   a. DNA ligase
   b. DNA polymerase
   c. RNA ligase

7. Which of the following is a step in the process of DNA transformation? 3 page
   a. electrophoresis
   b. crosslinking
   c. both

8. The major steps in the process of DNA transformation involve 3 page
   a. linearization
   b. transfection
   c. both

9. The process of inserting DNA into an organism 3 page
   a. transfection
   b. transduction
   c. both

10. The transformation efficiency in bacteria does not depend on 3 page
    a. cell genotype
    b. cell motility
    c. cell size

11. The chemical signals used to activate the modification of bacterial cells 3 page
    a. DNA
    b. RNA
    c. both

12. Which of the following is a step in the process of DNA transformation? 3 page
    a. linearization
    b. crosslinking
    c. both

13. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

14. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

15. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

16. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

17. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

18. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

19. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

20. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

21. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

22. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

23. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

24. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

25. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

26. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

27. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

28. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

29. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both

30. The DNA that has been isolated is 3 page
    a. linear
    b. circular
    c. both