Assignment 5

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

1) How many different chemical cleavage reactions are required for the Maxam and Gilbert sequencing system?

- 1 point

- 2 points

- 3 points

- 4 points

No, the answer is incorrect.
Score: 0
Accepted Answers:

2) The number of bands obtained in gel electrophoresis if the DNA (5'-32P-ATTACGAAAATG-3') is treated with dimethyl sulphate and Piperidine:

- 1 point

- 2 points

- 3 points

No, the answer is incorrect.
Score: 0
Accepted Answers:

3) Which target would you use to cleave both Thymine and Cytosine in a DNA:

- Hydrazine
- Piperidine
- Dimethyl sulphate, Piperidine and formic acid
- Only dimethyl sulphate

No, the answer is incorrect.
Score: 0
Accepted Answers:

Hydrazine
Piperidine

4) What would be the approximate length of a ssDNA containing 700 bases:

- 2376 Å
- 4753 Å
- 7000 Å
- 170 Å

No, the answer is incorrect.
Score: 0
Accepted Answers:

2376 Å

5) Calculate the concentration of a ssDNA (5'- ATAGCGGCGGGAATGC-3') if A260 is observed to be 1.2 of a 20 times diluted sample (Dilution Factor of 20), using a cuvette of 1cm diameter:

- 1.29 M
- 12.9 μM
- 258 M
- 258 μM

No, the answer is incorrect.
Score: 0
Accepted Answers:

258 μM

6) Which metal ion is used for nick chemistry reaction:

- Zinc
- Copper
- Iron
- Chromium

No, the answer is incorrect.
Score: 0
Accepted Answers:

Copper