

Name:-

1- The main two aims of using sterilization methods when dealing with the bacterial cultures are:

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2- There are two different methods to prepare competent bacterial cells, mention them:

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3- Before starting the procedures of preparing the bacterial competent cells, the bacteria should be brought in the phase, and this done because.....

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4- Tracking dye like is usually used in the SDS-PAGE experiment to track the samples movement in the gel.

5- Reducing agents such as DTT or beta-mercaptoethanol/BME is usually added to the protein sample when preparing the samples to SDS-PAGE running, what is the aim of this step?

6 - What is the definition of the His-tag protein?

7- In the western blot experiment a blocking solution such as TBS contains non-fat dry milk or being used to block the membrane.

8 - How do you be sure of that your transformation process is successful?

9 - Why using the blocking solution is necessary in the Western blot experiment?

10- Taking up the DNA by bacteria can be happen by three different methods, transformation andmethod which requires sex pilus and transduction which requires

11- There are several stains can be used to stain the samples in the SDS-PAGE experiments, mention two of these stains:-

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12- In the western-blot experiment the protein sample will be transferred from the gel to a membrane which is usually PVDF or.....

13 – Mention two examples of the protein tags:-

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14- In the western-blot experiment the secondary antibody must be specific to

15- Before freezing the competent bacteria in -70 degree the should be added to the competent bacterial cells to make the bacteria able to withstand under the freezing conditions.

16- Briefly mention the steps of the transformation experiment:-