

Practical: Microbial Growth Curves

Objectives

Students will be able to:

1. Calculate the generation time of a bacterium.

2. Identify the lag, log, stationary and death phases of a bacterial growth curve.

3. Explain the relationship between the number of bacteria and the amount of substrate available in a batch culture.

4. Explain the effect of environmental factors on the growth of a bacterium.

5. Calculate the number of bacteria in a culture.

6. Calculate the generation time of a bacterium.

7. Calculate the number of bacteria in a culture.

8. Calculate the number of bacteria in a culture.

9. Calculate the number of bacteria in a culture.

10. Calculate the number of bacteria in a culture.

11. Calculate the number of bacteria in a culture.

12. Calculate the number of bacteria in a culture.

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