

CONCEPT REVIEW

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CELL CULTURES



PAGES 240 TO 244

Complete this concept review handout and keep it as a record of what you have learned.

DEFINITIONS

- A cell culture is _____

- Culturing cells results in _____

- A culture medium is _____

- A sterile environment is _____

STEPS FOR A TYPICAL CELL CULTURE

1. Collection of sample from the environment of origin.
2. _____
3. _____
4. _____

CELL CULTURE GROWTH

Phase	Cell activity	Reason
Lag phase	_____ _____ _____	_____ _____ _____
_____ _____ _____	_____ _____ _____	_____ _____ _____
_____ _____ _____	_____ _____ _____	_____ _____ _____
_____ _____ _____	_____ _____ _____	_____ _____ _____



CULTURE MEDIUM

Parameters that must be controlled

- Water level
- _____
- _____
- _____
- _____
- _____
- _____

STERILIZING EQUIPMENT

Sterilization is necessary when culturing cells in order to avoid _____

Method	Description
Dry heat	<p>_____</p> <p>_____</p> <p>_____</p>
<p>_____</p> <p>_____</p> <p>_____</p>	<p>_____</p> <p>_____</p> <p>_____</p>
<p>_____</p> <p>_____</p> <p>_____</p>	<p>_____</p> <p>_____</p> <p>_____</p>
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