

Biogen Specific Teaching Material

Introduction to DSP – Cell Separation





Questions & Answers

Introduction to DSP – Cell Separation

1. What factor(s) determines the harvesting point?

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1. The harvesting point depends on whether the product is a primary, secondary or both.

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2. How many methods for enabling cell separation are there?

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2. There are five methods for enabling cell separation: Filtration, settling devices, centrifuges, acoustic wave technology, and hydrocyclones.

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3. When is harvesting best carried out for avoiding cell breakage and higher level of impurities?

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3. Harvesting is best carried out when cell viability is high.

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4. What does DSP stand for in the context of cell separation and purification?

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4. DSP stands for Downstream Processing.

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5. For clarifying harvest before DSP, which operation comes first, microfiltration or depth filtration?

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5. Microfiltration or centrifugation comes before depth filtration.

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6. Define cell viability.

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6. Cell viability is the number of healthy cells in a sample, based on a total cell sample of existing (living or dead) cells.

Thank you for your attention!

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