

Animal Cell Culture Techniques

45 Days Online Laboratory Practices



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Pharmacy, Medical
Science Candidate
can join



JOB PROSPECTS: Pharmaceutical Industry & Medical Research

Techniques to be covered

1. Introduction
2. Biology of Cultured Cells
3. Laboratory Design, Layout and Equipment
4. Equipment and Materials
5. Aseptic Technique
6. Safety, Bioethics and Validation
7. Culture Vessels and Substrates
8. Defined Media and Supplements
9. Serum-Free Media
10. Preparation and Sterilization
11. Primary Culture
12. Subculture and Cell Lines
13. Cloning and Selection
14. Cell Separation
15. Characterization
16. Differentiation
17. Transformation and Immortalization
18. Contamination
19. Cryopreservation
20. Quantitation
21. Cytotoxicity
22. Specialized Cells
23. Stem Cells, Germ Cells and Amniocytes
24. Culture of Tumor Cells
25. Three-Dimensional Culture
26. Scale-up and Automation
27. Specialized Techniques



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