



Workshop on Cell Culture Techniques

This workshop has theoretical and practical sessions. In the theoretical part the history, advantages and disadvantages of cell culture, types of tissue culture, identification of a cell line, cell freezing and thawing, creation of cell banks, adherent cultures, suspension cultures, bulk culture, differentiation and measurement of cell viability, types of contamination in cell culture, and basic methods of working with cultured cells will be taught.

In the practical part you will learn:

- Working under sterile conditions
- Preparation of specific culture medium suitable for culturing cell types
- Principles of stem cells, their origin and types
- Passage and medium exchange
- Cell counting and determination of viability percentage
- Purification and culture of embryonic stem cells
- Culture and maintenance of somatic cells

This workshop is suitable for graduates and students of all academic levels in biology, paramedical, and medical fields.