

## Training Courses in Animal Cell Culture at CCMB

### Short term course (5days)

CCMB Central Tissue Culture Facility offers a training course in Animal cell culture techniques. The programme specially designed for students, employees from government labs/Institutes and Industry.

Duration of the Course	: 5 days
No. of seats	: 6
Educational Qualifications	: Post Graduate or equivalent in Biological Sciences
Value of the Course	: CCMB will provide certificate upon successful completion of the course
Course fee	: INR 18,000/-
Accommodation	: Residential accommodation provided for outstation participants, Guest House accommodation provided on charge basis if available
Venue of the Course	: CCMB Main Campus , Uppal Road, Hyderabad

### Training Curriculum:

- Safety Procedures
- Maintenance of sterility
- Do's & Don'ts in Tissue Culture Lab
- Exposure to facility equipment
- Preparation of medium and required solutions
- Cell line revival(recovery), maintenance, sub-culturing (passaging) & freezing

### Techniques Demonstrations

- Determination of cell growth and viability
- DNA transfection lipid mediated & Electroporation (Nucleofection)
- Hybridoma Technology (cell fusion)
- Immunofluorescence
- Primary cell isolation
- Mycoplasma detection(screening)
- MTT Assay (cytotoxicity)

### Hands on

- Preparation of media and sterilization test
- Revival of cells from Liquid nitrogen(cell bank)
- Sub-culturing, counting & viability test for cells
- freezing of cells (cryopreservation)