

**The Specialist Centre for Biotechnology Training**

## *Tissue Culture Techniques II*

**Dates:** 17<sup>th</sup> April 2009  
25<sup>th</sup> September 2009

### **Course Description**

#### **Course Objective**

A strong background on scale-up and large-scale cultivation of mammalian, hybridoma and insect/baculovirus cells. After an introduction to different host cells and their applications to large-scale protein production, specific methods and equipment will be discussed in more detail. This is an excellent follow on to the Tissue Culture Techniques I workshop.

#### **Course Outline**

- Background for common host cells
- Scale-up and large-scale production
- Typical tissue culture laboratory set-up and aseptic methods
- Cultivation and scale-up of mammalian cells
- Calculations for media preparation and culture monitoring
- Basic fermentation protocols

#### **For Whom**

- Science graduates looking for advanced practical laboratory skills
- People looking for a change in career
- Lab staff not trained in more advanced tissue culture techniques
- Lab staff seeking to update their skills
- Post-graduate students

### **Certificate of Participation**

- Awarded to participants who have achieved 75% attendance for the course.

### **Outcomes**

- Understanding of the scale-up of tissue culture within biotechnology.
- Be familiar with the basic laboratory set-up and regulations.
- Know the most important small and large scale equipment involved in scale-up and production.
- Learn how to cultivate mammalian, hybridoma and insect cells.
- Be familiar with the requirements for correct aseptic technique.
- Refresh your ability to tackle basic calculations (mass balances, solutions, yields etc.) for everyday procedures.

### **Course information**

Course code:	BIO 06
Course fee (incl GST):	\$770.00
Maximum class size:	15 participants
Time:	9.00am – 5.00pm
Total course duration:	8 hours (inc. lunch)

#### **Venue:**

Building 8, Level 3, Room to be advised  
Box Hill Institute,  
465 Elgar Road, Box Hill