

The Specialist Centre for Biotechnology Training

Real Time PCR

Dates: 7th July 2009
29th September 2009

Course Description

Course Objective

The course is intended for those who have a fundamental background in PCR and will address the basic principles of Real Time PCR and its many applications. It will cover theoretical and practical aspects of quantitative RT PCR assay development, hands-on instrumentation set up and data analysis.

Course Outline

- Real Time PCR experiment design skills
- Real Time PCR practical laboratory exercise
- Data analysis and quantitation techniques

For Whom

- Science graduates looking for practical skills in Real Time PCR
- Individuals looking to advance their PCR skills
- Lab staff seeking to update their skills
- Post-graduate students
- Particularly useful for those who have attended BioSkills "Molecular Methods" short course

Certificate of Participation

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

Outcomes

- Principles of Real Time PCR and associated terminology
- Sample preparation
- Experimental design and optimisation
- Reporter Chemistries
- Probe based and intercalation dyes
- PCR interrogation
- Qualitative End point PCR
- Quantitative Real-Time PCR-absolute, relative and comparative quantitation
- Analysis of generated data
- Applications of Real Time PCR
- Trouble shooting

Course information

Course code:	BIO 21
Course fee (incl GST):	\$660.00
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