



# AL021: Laboratory Techniques

## Training Description:

This intensive course provide will provide the participant with broad based training in all aspects of laboratory operations, including occupational health and safety (OHS), analytical instrumentation, computing, chemistry, microscopy and biological techniques. Learn from our well experienced training instructor, who hold postgraduate qualifications across a variety of science disciplines and a wide field experience. This course has a one-day practical session/lab visit.

## Training Objectives:

By the end of the training, participants will be able to:

- ✓ Participate in Laboratory/ field workplace safety
- ✓ Gain an in-depth knowledge in quality system and continuous improvement processes
- ✓ Perform process and interpret data
- ✓ Use laboratory application software
- ✓ Plan and conduct laboratory/ field work
- ✓ Perform Standard Calibrations
- ✓ Perform chemical tests and procedures
- ✓ Familiarize with the environmentally sustainable work practices

## Training Designed for:

This course is intended for all Chemists, Lab Technicians, Chemical Engineers, Instrument Engineers and Lab Supervisors/Managers, QA/QC, Lab Analysts, R&D and other laboratory personnel.

## Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

## Training Program:

### DAY ONE:

- ❖ Quality system and continuous improvement processes
- ❖ Process and interpret data
- ❖ Use laboratory application software

### DAY TWO:

- ❖ Planning and conducting laboratory/field work
- ❖ Standard calibrations
- ❖ Aseptic techniques
- ❖ Microscopic examinations

### DAY THREE:

- ❖ Histological procedures

- ❖ Chemical tests and procedures
- ❖ Standardize and use solutions

#### DAY FOUR:

- ❖ Preparing tissue and cell cultures
- ❖ Food tests
- ❖ Communicate with other people
- ❖ Maintain the laboratory fit for purpose

#### DAY FIVE:

- ❖ Laboratory/field workplace safety
- ❖ Environmentally sustainable work practices
- ❖ Biological procedures
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

### Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

### Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

### Training Fees:

**TBA as per the course location** - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

### Training Timings:

#### Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

#### For training registrations or in-house enquiries, please contact:

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