

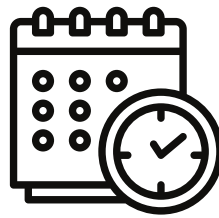
# MILK QUALITY IRELAND CERTIFIED TRAINING PROGRAMME IN MILKING MACHINES

The training programme is targeted at all industry personnel who aim to achieve certification in milking machine testing and installation and have their names listed on the Milk Quality Ireland directory of milking machine testers and installers. The programme is also beneficial to personnel of the co-operatives and Teagasc working with all aspects of milk quality but in particular aiming to achieve a full appreciation of the influence milking machine technology has on milk quality.



**LOCATION:**

TEAGASC KILDALTON COLLEGE,  
TEAGASC MOOREPARK RESEARCH  
CENTRE



# TIMETABLE

DRAFT OUTLINE  
SUBJECT TO CHANGE

**7 DAY COURSE  
RUN OVER  
2 WEEKS**

**WEEK 1**

DAY 1 THEORY/ PRACTICALS -KILDALTON COLLEGE  
DAY 2 THEORY/ PRACTICALS -KILDALTON COLLEGE  
DAY 3 THEORY/ PRACTICALS -KILDALTON COLLEGE

**WEEK 2**

DAY 4 THEORY- MOOREPARK RESEARCH CENTRE,  
DAY 5 THEORY/ PRACTICALS -KILDALTON COLLEGE  
DAY 6 PRACTICALS -KILDALTON COLLEGE

DAY 7 EXAM - KILDALTON COLLEGE

9:30AM- 4.30PM EACH DAY (SUBJECT TO CHANGE)

## TOPICS

- Theory of milking machines, outline the role of different machine components
- Installation standards and visual checking, ISO standards
- Operation of airflow meters, care and maintenance
- Measurement of vacuum and reserve.
- Measurement of pulsation characteristics using a pulsation analyser.
- Fault diagnostic in pulsation system.
- Preparation of test reports
- Milking Machine Research update.
- Mastitis, cell counts, prevention and treatment
- AHI Cell Check programme
- Research update on cleaning milking equipment, cleaning products and teat dips
- Research into milk residues, Iodine, TCM etc.
- Health and safety around testing of milking equipment.
- Non routine tests, fault diagnostics, stray voltage.
- Course Assessment Practical and online theory exam on the last day.

The course is suitable for people with all levels of experience. We cover each of the topics starting from a basic level so even people who are new to the area of milking equipment will be able to complete the course. We run one or two courses per year with a maximum of 16 participants. Usually we have a range of milking machine technicians, milk quality advisors, dairy advisors, veterinarians etc. attending each course.

For further course information contact <[francis.quigley@teagasc.ie](mailto:francis.quigley@teagasc.ie)>

### Course Fee

The cost per person is €750. However ICOS Skillnet Funding is available, at 20% and Teagasc contribution means that course fee for participants is reduced to €375 per person.

## Booking details

Contact - Eamon Farrell - [eamonn.farrell@icos.ie](mailto:eamonn.farrell@icos.ie) 01-6131343  
[www.MilkQuality.ie](http://www.MilkQuality.ie)