

NZMPTA Certificate in Milking Machine Testing

Qualification: Registered Milking Machine Tester Practising Certificate



MMTC – 7 days (residential in Palmerston North) **Milking Machine Testing Course**

Details:

This qualification comprises 12 hours of pre-course work, a seven day residential course, plus 12 hours of post course work. It is compulsory that this qualification be completed by those attending the courses making up the 'Advanced Certificate in Milking Machine Testing' It is preferred that this course is completed by those attending the courses making up the "Certificate in Mastitis & Milk Quality Advisor" qualification.

NZMPTA Advanced Certificate in Milking Machine Testing

Qualification: Registered Milking Machine Advanced Testing Certificate



REFR – 2 days (residential in Palmerston North) **Milking Machine Testing Refresher**

Details:

- Generic Test Refresher – theory session – powerpoint plus Q & A
- Non-generic test methods – powerpoint and Q & A
- Known issues and solutions plus reading interactions – powerpoint and Q & A
- Test Reports – Common faults and misconceptions – powerpoint
- Variable Speed Test – 2 hours practical with tutor observing
- Complete a generic test – 2 hours practical with tutor observing

NOTE: Refresher course is not required if a current Milking Machine Tester Practising Certificate is held



MLST – 3 days (Regional) **Mastitis & Liner Selection including Troubleshooting**

Details:

- Liner Features and measurements – 4 hours
- Liner selection – 3 hours
- Mastitis and mastitis management – 1 day
- Milking management – ½ day
- In-milk testing – ½ day
- Post Course – Submit a field study where a mastitis problem has been investigated and potential solutions offered. Show mastitis / SCC levels pre and post recommendations and offer further insights where necessary e.g. what next if problem is not resolved.



CEMD – 3 days (residential in Palmerston North) **Cleaning Evaluation & Milk Delivery**

Details:

- Introduction to the Basis of a Good Cleaning System
- Physical factors that affect cleaning (Turbulence)
- Different Cleaning Systems
- Milking Machine Cleaning Programmes
- Procedures for cleaning using different cleaning systems
- Evaluating CIP and bulk milk tank cleaning systems
- Lines, unions, valves, drains and rubber components
- Pumps and pump performance, pump controllers
- Air purge / milk sweep systems, milk filtration and plate heat exchanges
- System evaluation
- Post Course – Carry out a full milk delivery and cleaning evaluation



NZMPTA Certificate in Mastitis & Milk Quality Advisor

Qualification: *Registered Mastitis & Milk Quality Advisor Certificate*



MQGT – 2 days Milk Quality & Grade Troubleshooting

Details:

- Dairy Milk Quality Standards / Regulations – 1 hour
- Bacterial Grading Problems – what is the significance of each type – 1 hour
- Other grading problems – water, inhibitory substances, senses, DDE – 1 hour
- Solving grading problems (theory) – ½ day
- Solving grading problems (practical) – 1 day
- Other troubleshooting tools and systems – 1 hour
- Post Course – Submit a field study where a grading problem has been investigated and potential solutions offered. Show test levels pre and post recommendation and offer further insights where necessary e.g. what next if problem is not resolved.



MLST – 3 days (Regional) Mastitis & Liner Selection including Troubleshooting

Details:

- Liner Features and measurements – 4 hours
- Liner selection – 3 hours
- Mastitis and mastitis management – 1 day
- Milking management – ½ day
- In-milk testing – ½ day
- Post Course – Submit a field study where a mastitis problem has been investigated and potential solutions offered. Show mastitis / SCC levels pre and post recommendations and offer further insights where necessary e.g. what next if problem is not resolved.



CEMD – 3 days (residential in Palmerston North) Cleaning Evaluation & Milk Delivery

Details:

- Introduction to the Basis of a Good Cleaning System
- Physical factors that affect cleaning (Turbulence)
- Different Cleaning Systems
- Milking Machine Cleaning Programmes
- Procedures for cleaning using different cleaning systems
- Evaluating CIP and bulk milk tank cleaning systems
- Lines, unions, valves, drains and rubber components
- Pumps and pump performance, pump controllers
- Air purge / milk sweep systems, milk filtration and plate heat exchanges
- System evaluation
- Post Course – Carry out a full milk delivery and cleaning evaluation

NZMPTA Dairy Diagnostics Specialist

Qualification: *Registered Dairy Diagnostics Specialist Certificate*

Details:

This qualification requires the completion of all five of the above mentioned courses plus a one day Stray Voltage course. Those who have successfully completed all of these requirements shall have an in-depth understanding of the milking machine function and will be able to troubleshoot and give recommendations on issues relating to milking machinery performance and associated milk grades.