

## NZMPTA Certificate in Milking Machine Testing

Qualification: Registered Milking Machine Tester Practising Certificate



### Milking Machine Testing Course

5 days (residential in Palmerston North)

Details:

This qualification comprises a five day residential course plus online modules to be completed pre and post-course. It is a pre-requisite for the 'Advanced Certificate in Milking Machine Testing' It is preferred training for the "Certificate in Mastitis & Milk Quality Advisor" qualification.

On completion of all course requirements, and on submitting six correct Test Reports to the NZMPTA for marking, a NZMPTA Registered Milking Machine Tester Practising Certificate will be issued (additional charge \$125-00 + gst).

## NZMPTA Advanced Certificate in Milking Machine Testing

Qualification: Registered Milking Machine Advanced Testing Certificate



### Milking Machine Testing Refresher

2 days (residential in Palmerston North)

Details:

- Generic Test Refresher – theory session
- Non-generic test methods
- Known issues and solutions plus reading interactions
- Test Reports – Common faults and misconceptions
- Variable Speed Test
- Complete a generic test

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



### Mastitis & Liner Selection including Troubleshooting

3 days (regional)

Details:

- Mastitis and mastitis management
- Milking management
- In-milk testing
- Liner features and measurements
- Liner selection



### Cleaning Evaluation & Milk Delivery

3 days (residential in Palmerston North)

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



## NZMPTA Certificate in Mastitis & Milk Quality Advisor

Qualification: Registered Mastitis & Milk Quality Advisor Certificate



### Milk Quality & Grade Troubleshooting

2 days (regional)

Details:

- Dairy Milk Quality Standards / Regulations
- Bacterial Grading Problems – what is the significance of each type
- Other grading problems – water, inhibitory substances, senses, Solving grading problems (theory)
- Solving grading problems (practical)
- Other troubleshooting tools and systems



### Mastitis & Liner Selection including Troubleshooting

3 days (regional)

Details:

- Mastitis and mastitis management
- Milking management
- In-milk testing
- Liner features and measurements
- Liner selection



### Cleaning Evaluation & Milk Delivery

3 days (residential in Palmerston North)

Details:

- Introduction to the Basis of a Good Cleaning System
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## 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 our 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. Their hard work and commitment to training will culminate with the distinguished title of a NZMPTA Dairy Diagnostics Specialist.

**NZMPTA also offers a full Apprenticeship in Dairy Systems (Engineering) which encompasses all of the courses offered in this Qualifications Pathway and more. For more information visit [www.nzmpta.co.nz](http://www.nzmpta.co.nz).**