



**Maritime Quality Milk**

[www.milkquality.ca](http://www.milkquality.ca)

## Mastitis Treatment Decision System

*On average, reduces antibiotic treatment by 40%*

*Targets treatment to those cows that need it most!*



### Reasons for use

Mastitis treatment accounts for a large portion of antibiotic use on dairy farms. Treatment with antibiotics requires long milk withhold times, which contribute to the cost of the disease. Some mastitis bacteria have high self-cure rates or poor treatment response and antibiotic use may not be justified.

Use of rapid tools for the identification of mastitis pathogens enables treatment decisions that decrease antibiotic use and save money without compromising mastitis outcomes.



### Which cows to treat

The culture system is designed to classify mastitis cases into 3 groups; Gram-positive (to be treated) and Gram-negative and No Growth cases (not to be treated). The system is intended to be used on cows with **mild cases** of mastitis (no fever or severe illness).

Research validated<sup>1</sup> interpretation instructions (see link below) provide the most accurate cutoffs for diagnosis. It is highly recommended that you consult with your herd veterinarian regarding development of treatment protocols. As with any therapy program, individual response may vary. If clinical signs worsen, take action immediately and consult your veterinarian.

### Quality control

The culture kit provides a sample collection vial that is intended for submission to a diagnostic laboratory. Submission of this sample allows tracking of quality control for the on-farm culture and provides additional information on the mastitis-causing bacteria, which will aid in prevention strategies.

### Storage and Handling

- Product shelf-life is 1 year if stored at room temperature
- Avoid excess humidity and keep culture media in individual package until use
- Do not expose to sunlight and discard any culture media that has been discoloured
- Do not touch the culture media surface

*The MQM Mastitis Treatment Decision System is an excellent tool to improve mastitis monitoring while decreasing cost and drug usage. Discuss with your herd health specialist how the system fits within your udder health management program*

<sup>1</sup>McCarron J. L., G. P. Keefe, S. L. B. McKenna, I. R. Dohoo, and D. E. Poole. Laboratory Evaluation of 3M Petrifilms and University of Minnesota Bi-plates as Potential On-Farm Tests for Clinical Mastitis J Dairy Sci. 2009 May;92(5):2297-305.

### System components



- 10 Coliform Count Petrifilms
- 10 Aerobic Count Petrifilms
- 1 plastic spreader
- 10 3 cc syringes
- 10 collection vials
- 10 diluent vials
- 10 alcohol gauzes

#### Does not include incubator.

The recommended incubator is the Turbofan Hova Bator available online at [www.spectrumed.com](http://www.spectrumed.com) or through your local farm supply store (Co-op Atlantic stores).

**For more information, contact your local Veterinarian or**

#### Maritime Quality Milk

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[Click Here](#)

To view easy to use instructions and interpretation guide

## To Order Kits

### Veterinary Clinics That Stock the Kits:

Nova Scotia:	Fundy Veterinarians, Shubenacadie Fundy Veterinarians, Murray Siding, Truro Northumberland Vet Clinic, Pugwash	Tel: (902) 758-3180 Tel: (902) 895-8195 Tel: (902) 243-3999
New Brunswick:	Provincial Veterinarian Services	
P.E.I.	Kensington Veterinary Clinic, Kensington	Tel: (902) 836-3410
Ontario:	Navan Veterinary Services, Navan Tavistock Veterinarians, Tavistock Cannington Veterinary Services, Cannington	Tel: (613) 835-2646 Tel: (519) 655-2421 Tel: (705) 432-3392

If your Veterinarian is not listed above, you can order directly from MQM for \$79 by downloading an order form and faxing it to MQM at 902-620-5053. [For Order Form Click Here](#)

### Attention Veterinarians

To stock the kits in your clinic and become listed on this site, please contact MQM as listed above for more details.