



MASTITIS TEST....

FOREMILK FOR RMT TEST

The most indicative results will be achieved using the very first squirts of foremilk, whether testing with a conductivity meter, or a manual RMT/CMT kit.



Solution

2 litre container	204 469	\$16.95
5 litre container	204 471	\$32.95
20 litre container	212 328	\$139.00

Correctly formulated solution to ensure consistent mastitis testing. (Non-professional solutions can give varying results.) Generally testing requires 1 litre per 50 cows. Solution is added to the RMT paddle in at least the same amount as the milk. Ideally the solution is used from a squirt or pump bottle. RMT solution is non-toxic, but is coloured blue for easy identification. Coagulation of the milk sample indicates the presence of somatic cells in high concentration.



Pump Bottle 500ml (Nil solution)

204 468 \$19.95

Tidy up your RMT testing with this very handy pump bottle. Can be operated with one hand, holding paddle in other. Gives exactly the required 3ml of solution per stroke.

Note: This bottle is supplied empty.



Starter Kit (Incl solution)

complete 209 115 \$29.95

The ideal start-up kit, including Shoof Super Paddle plus our Pump Bottle containing 500ml of RMT solution. Handiest feature of this kit is the special pump bottle which gives the required 3ml of solution each stroke. It is designed so that it can be held in one hand, paddle in the other, and operated by thumb. Great convenience, accuracy and value.

MASTITIS TESTS

All test systems indicate changes in milk quality, usually caused by bacterial infection. They do not necessarily always indicate clinical mastitis requiring treatment. In doubt use a different test method to compare results.



Concentrate

1 litre	204 438	\$19.95
2 litres	211 093	\$37.95
5 litres	209 910	\$85.95

Gently mix this concentrate with clean cold water in a clean container to make ready-to-use mastitis test (RMT/CMT) solution. Mix the 1-litre container with 4 litres of water for enough solution to test approximately 250 cows. Mix the 5-litre container with 20 litres of water for enough solution to test approximately 1,250 cows.



Concentrate Kit

complete 207 523 \$49.95

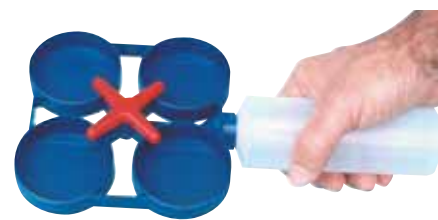
Use the 1-litre of concentrate with cool clean water to make 5 litres of ready-to-use solution in the 5-litre container. This will test approximately 250 cows. Use the pump bottle to dispense into the mastitis test paddle.

RMT/CMT Mastitis Test

RMT is Rapid Mastitis Test. CMT is California Mastitis Test. This milk testing system has been used around the world for many years. An amount of test solution, roughly equal to the volume of milk, is entered into a test paddle. Swirling the sample mixes milk and solution. If there is no noticeable reaction, the quarter can be presumed healthy. If the mixture coagulates into a slime, the quarter can be presumed infected. If the solution turns to a jelly-like substance, the quarter probably has a cell-count in excess of one million, and possibly many million per ml. Isolating this milk from the bulk tank, in a Quartersmilk, can give an immediate drop in SCC levels. Infected quarters should be treated immediately after milking. RMT reactions may still be apparent for up to one week after conclusion of successful treatment. The only sure method to prove successful treatment is to have your veterinarian test a culture sample.



Example of badly affected quarter. Milk sample has turned into a gel.



X-Spurt

complete 204 474 \$29.95
repl't bottle 204 476 \$3.95

RMT testing has always been quite a tedious procedure either slowing up milking considerably, or requiring an extra hand in the shed. The X-Spurt paddle makes RMT testing a fast and efficient one-hand operation as the 300ml (10fl.oz) X-Spurt reagent reservoir is also the handle for the paddle. Milk is entered in the paddle chambers and the paddle tilted in the normal way to reduce the samples to the usual 3ml (0.1fl.oz). A quick squeeze of the X-Spurt handle then enters equal amounts of reagent at the same time to all four samples. Swirling the paddle mixes the samples for usual coagulation recognition. The bottle capacity is 300ml, enough to RMT test about 15 cows. For continuous testing, keep extra filled bottles handy. Replacement reservoir bottles, with cap, are available.



Super Paddle

204 473 \$10.95

RMT paddle designed and manufactured by Shoof with special features over other paddles: smooth and comfortable handle, tilt lines for both left and right hand use, slightly domed cup-bottoms to enhance coagulation visibility, dark blue colour for maximum milk visibility, quality long-life flexible polypropylene manufacture.

READING RMT REACTIONS

1. Mixture remains liquid with no evidence of formation of gel or solids (precipitate) = < 200,000 SCC
2. A slight precipitate forms which is seen by tipping the paddle back and forth and observing the mixture as it flows over the bottom of the cup = 150,000 to 500,000 SCC
3. A distinct precipitate but no tendency toward gel formation = 400,000 to 1.5 million SCC
4. The mixture thickens immediately with some suggestions of gel formation. As the mixture is swirled, it tends to move in to the centre, leaving the bottom of the outer edge of the cup exposed. When the motion is stopped, the mixture levels out and covers the bottom of the cup. The mixture clumps slightly = 800,000 to 3 million SCC
5. A gel is formed which causes the surface of the mixture to become convex. Usually there is a central peak which remains projecting above the main mass after the motion of the paddle has been stopped = 2 million to 6 million SCC
6. Viscosity is greatly increased so that there is a tendency for the mass to adhere to the bottom of the cup. The mixture clumps together readily = > 5 million SCC