

# MAS-D-TEC

## Early Mastitis Detection

Wescor's Mas-D-Tec subclinical mastitis detector offers the world's most advanced early mastitis detection technology. It meets the requirements of a modern dairy operation and provides the manager with a simple, convenient, and immediate detection of subclinical mastitis. MAS-D-TEC eliminates the guesswork and time-consuming fuss associated with old-fashioned chemical tests for mastitis detection.

MAS-D-TEC measures electrical conductivity in a small sample of milk. Research has shown that conductivity increases markedly with the onset of mastitis infection. MAS-D-TEC uses sophisticated technology to detect increases in conductivity long before other clinical symptoms and signs are evident.

With mastitis costing the average dairy of 120 to 150 cows up to \$37,500 every year, it is no wonder that mastitis is the subject of so much discussion among dairy operators. It is estimated that at least 50% of all cows are infected with mastitis. Most dairy farmers deal with the obvious clinical cases and usually overlook the less obvious, but far more costly subclinical mastitis. Operators who can detect mastitis early and who apply sound herd management practices, will ultimately have the cleanest herd. In the past, detecting mastitis was difficult at best. Mastitis detection with MAS-D-TEC is remarkably easy and also provides critical herd management feedback.

Laboratory analysis of somatic cell count in milk can indicate the presence of mastitis infection. However, since such analyses are performed away from the dairy and are not specific to the individual quarter, the results do not provide a means for mastitis detection as effective as MAS-D-TEC. Frequent herd monitoring with MAS-D-TEC will enable prompt action, providing effective and economical control of mastitis in your dairy herd.

### ■ SIMPLE TO USE

MAS-D-TEC is a hand-held electronic instrument with a funnel-type opening at the top. The milk sample is squirted directly from the teat into this opening. The required sample volume is only 2 milliliters (one or two squirts). MAS-D-TEC is so simple to use that anyone can obtain accurate results without special training.

### ■ ECONOMICAL

With estimates of yearly mastitis losses ranging up to \$250 per cow, MAS-D-TEC will quickly pay for itself, even with relatively small herds.

### ■ IMMEDIATE RESULTS

After the milk sample has been introduced into MAS-D-TEC, the operator then presses a button on the front of the instrument. The result appears instantly and the entire procedure can be accomplished in less than five seconds per quarter.

### ■ RUGGED

MAS-D-TEC's electronic circuitry is completely enclosed in a strong water-resistant case for long dependable service in the milking parlor environment. MAS-D-TEC comes with a one-year warranty.

### ■ SELF PURGING

MAS-D-TEC is designed so that the previous milk sample is purged from the system when you introduce the next sample. There is no need to clean the instrument between either quarters or cows. A simple rinse with clean water after each milking is all that is required.

### ■ PORTABLE

MAS-D-TEC is designed for hand-held operation and is powered by a readily available standard 9-volt battery. Several thousand samples can be tested on a single battery. The instrument has a low-battery warning.

### ■ ACCURATE

A reading ranging from 0 to 9 will be indicated by the instrument. Readings of 0 indicate extremely low electrolyte content in the milk and a mastitis-free quarter. Any reading of 5 or higher should be interpreted as a positive indication of subclinical mastitis in that particular quarter. If one quarter is reading two units higher than the other quarters (even if the reading is in the normal range (2 to 4)), you should also consider that quarter to be subclinically infected.

It all adds up to the world's most convenient and easy-to-use early mastitis detection system: MAS-D-TEC. The new day is here!



# UDDER COMFORT