

# LactiCyte™ HD

## Somatic Cell Counter\*

# Key Benefits OF REAL-TIME SCC

### Farm-level Benefits

#### 1. Give Somatic Cell Count More Attention

- ✓ Regularly monitor SCC of individual animals.
- ✓ Detect subclinical Mastitis, which can be treated early ensuring that animals can be returned to milking quickly. (SCC > 200,000 cell/ml can = subclinical mastitis). Manage the problem you are not seeing with traditional checks.
- ✓ Prevent animals from developing pervasive Mastitis issues that significantly reduce yields (~30%!) and reproduction rates, negatively impacting profits.



#### 2. Access at risk animals/ Overall Herd Health/ Improve Breeding & Culling Decisions

- ✓ SCC should be pro-actively managed on a regular basis - This helps to reduce dramatic negative impacts of mastitis on yield, reproductive rates, successful pregnancies and productive life-time (i.e. your herd health and profitability).
- ✓ The LactiCyte® is an excellent day-to-day herd management tool, giving real-time information, differentiating between Yeast and Bacterial Mastitis.
- ✓ Test milk from individuals, milking groups and/or entire herds and facilitate a determination of a satisfactory base-line SCC. From there, any fluctuations can be further investigated to pinpoint problems. Accommodates both raw & preserved milk, allowing for flexible testing times.
- ✓ Optimize culling decisions and reduce culling rates by keeping your SCC rates low. Replacement costs involve more than the cost of the cow. As 2nd lactation cows produce >15% more than 1st lactation animals and 3rd lactation can produce >10% more than 2nd lactation cows, replacement costs represent significant losses in both cash flow and productivity.
- ✓ Record what individual animals are most resistant to developing Mastitis. By sorting cows, you can optimize reproduction rates & reduce pregnancy losses.



#### 3. Confirm if Medical Treatment is Effective



- ✓ Access which animals respond better to certain medications/dosages; effective medical treatment is sometimes difficult to ascertain.
- ✓ Optimize treatment by differentiating between coliform or "true" mastitis & yeast mastitis.
- ✓ Provide results that confirm if the SCC is effectively being reduced, keeping control of treatment costs including lost milk and re-treating expenses.

\*The LactiCyte provides an un-paralleled correlation with the DMSCC method giving accurate results in keeping with AOAC/IDF/ISO reviewed & recommended methods



**Dr. Donald Sanders**

DVM; Vaca Resources & retired Professor at The Ohio State University

"Quickly and inexpensively identify high cell count cows so that action can be taken to capture bonuses!"

Cows with SCC above 200,000 take longer to become pregnant according to a study presented at the National Mastitis Council in 2016.\*

Mastitis impacts yields, decreasing milk production by 30-35% per animal. Other impacts to be considered are cost of treatment, days removed from milking, decreased fertility and increased culling rates.\*

\*References available upon request



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# LactiCyte™ HD Somatic Cell Counter



## PRECISE SOMATIC CELL COUNT

- ✓ Rapid method (Test time < 1 minute)
- ✓ Accommodates raw & preserved milk
- ✓ Cow, Goat, Sheep & Buffalo
- ✓ Wide range (0.1 to 10,000,000 SCC/mL.)
- ✓ Wide screen, printout and USB Interface
- ✓ Customer defined thresholds
  - Warning Level
  - Critical Level



Get the **MAX** with the **MINI!**

## LactiCheck™ MINI

Complete **RAW** milk composition profile in <60 Sec

### 10 Milk Composition Parameters!



- Fat
- Solids not Fat
- Density
- Added Water
- Salts/Minerals
- Lactose
- Protein
- Total Solids
- Temperature
- pH (optional)



# QuickCheck™ Flex CRYSCOPE

The QuickCheck FLEX is a freezing-point cryscope, providing precise results for added water in milk in accordance with recommended reference methods (AOAC/IDF/ISO) for payment purposes.

- ✓ Portable
- ✓ Stainless Steel with Cover
- ✓ AC or DC Power
- ✓ Precise Test for Added H<sub>2</sub>O
- ✓ Results in m°C or m°H
- ✓ Digital Output for PC or Printer: RS-232 and USB



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