



DeLaval cell counter DCC

The herd management tool for instant accurate somatic cell counts





Give more professional

*DeLaval cell counter DCC is a **portable analysis instrument** for your dairy business management process, for higher profitability.*

PROFESSIONAL MASTITIS DIAGNOSTICS

DeLaval DCC offers you a professional tool for mastitis diagnostics. With DCC you can test and monitor the somatic cell count (SCC) directly on each farm and have the result in under a minute.

Take control of mastitis levels. With DCC it is possible to conduct an accurate, instant, on farm SCC test on any cow or quarter. The direct SCC pinpoints the need for bacteriological tests, which helps avoid unnecessary testing and associated costs. DeLaval DCC will help you build confidence with your customers.

WORK SATISFACTION

Quality advice to dairy farmers on milk quality and udder health is of increasing importance. If you are working as an advisor, DeLaval DCC can improve the quality of your consultancy and help you establish an even better relationship with your customers. You can give professional knowledge-based advice directly to the dairy producer and work more proactively. Why guess? With DeLaval DCC you will know!

MILK QUALITY AND PROCESSING

The SCC is one of the most important milk quality indicators and more focus is being placed on it globally. Many dairies have implemented a quality-based milk payment scheme and pay a bonus for a lower cell count.

A high SCC is detrimental for dairy products. Fat and lactose decrease. Casein, the essential protein for cheese production, is damaged. Free fatty acids increase and milk fermentation is affected in a negative way. Sodium and chloride give the milk a salty taste.

Knowledge is essential for good decision making. There are a lot of opportunities to improve milk production efficiency and milk quality according to the SCC – it is easy to take the right step when you instantly know the SCC.

IMPROVE UDDER HEALTH

Mastitis is one of the biggest and most costly diseases in dairy farming today. It is important to detect an infected udder as early as possible in order to prevent the spread of mastitis. DeLaval DCC is an excellent complement to reports from a



Somatic cell count is an important indicator for milk quality and udder health. DeLaval cell counter DCC provides instant on farm information for herd management decision making.



TECHNICAL DATA:

Size (w x d x h)	235x236x249 mm
Weight:	4.1 kg
Measuring range:	10 000 to 4 000 000 somatic cells/ml
Operational temp. range:	+10°C to +40°C
Storage temp. range:	-20°C to +70°C
Humidity range:	10% to 85% RH
Milk sample volume:	Approx 60 µl in the cassette
Measuring volume:	Approx 1 µl in the cassette measuring window
Repeatability:	12% at 100 000 cells/ml 8% at 400 000 cells/ml 7% at 1 000 000 cells/ml

on farm advice on field

Instant that gives you increased control of milk quality, animal health and work satisfaction.

dairy herd health improvement program. The direct DCC-generated SCC provides the information needed for strategic decision making, e.g. separating mastitis cows, placing high SCC cows last in the milking order and initiating early medical treatment. The measures taken will ensure the quick recovery of infected animals and minimal milk production loss, as well as reducing the spread of mastitis through the herd.

When buying and selling cows at auction or privately, DCC provides an instant health status.

For every cow with clinical and visible mastitis, there are 10 to 40 sub-clinical mastitis cases. Sub-clinical mastitis is most easily detected by the increased SCC.

ACCURACY

The best way to measure the SCC accurately is to count the somatic cells under a microscope. This is extremely time consuming and can only be done in a laboratory. DeLaval DCC also counts the cells but it does so automatically. A digital camera takes a picture of the somatic cells'

nuclei in the cassette, which is stained with a DNA specific fluorescent probe. Then it counts the cells' nuclei one by one.

SPEED AND EASE OF USE

DeLaval DCC is lightweight, portable, and does not need external power, so you can use it anywhere. There is no need to calibrate it and start-up takes just a few seconds.

To perform a test: suck up a small amount of milk with the cassette then slide it into the DCC. The sample result in cells/ml milk is displayed less than a minute after the cassette is inserted.

You no longer need to send test samples to external laboratories. Use your DeLaval DCC on customer visits or in your own practice laboratory. Using the DCC together with DeLaval database kit DCC enables you to store, print and export the cell count data to ALPRO™ herd management software or to spreadsheet programs like Microsoft Excel®. This helps you to offer even better service to your customers.

