

# The power of knowing DeLaval cell counter DCC



# DeLaval cell counter DCC

## Shows you the way to more profitable milk production

By using the DCC you can get the maximum amount of milk in the vat. The lower the cell count, the more milk you will get from your cows.



At the end of the season, when the cell count is rising, I test the most likely fifty cows. If their counts are high I just dry them off. That saves me getting the whole herd tested so it saves money and production.

**MARK CLEMENTS, NORTHLAND, NEW ZEALAND**



### Profitability

DeLaval cell counter DCC shows you the way to more profitable milk production. With the DCC herd management tool, you can measure and monitor your cow, cow quarter or bulk tank somatic cell count in under a minute, on the farm. DCC allows you to take control of your cows' mastitis and gives you early mastitis detection, for cost-effective control of the spread of mastitis and easier herd management.

By using the DCC, you can get the maximum amount of milk in the cooling tank.

The lower the cell count, the more milk you will get from your cows so the DCC pays for itself in a short time.

### Work Satisfaction

Feel confident about your herd at any given time. You know your herd health with DCC.

On-time information lets you take action proactively, to efficiently control the performance of your herd.





Daily monitoring of the somatic cell-count level and trends will give you in-depth knowledge of your herd, a necessary base when planning for the future.

For total work satisfaction, take the guess work out of modern dairy herd management and make the right decisions in time, every time.

### **Milk Quality**

The somatic cell count is an important indicator for milk quality, and many dairy companies will pay you a bonus for keeping it low. The focus on this parameter is growing constantly around the world, because milk with a high somatic cell count means lower milk quality. As an example, to produce cheese, you must have milk with a low cell count.

### **Udder Health**

Your main udder health control parameter is the somatic cell count. A high number of somatic cells in the milk indicates a high number of mastitis cases among the cows. Clinical mastitis is possible to visibly detect when the cell count is very high with clots in the foremilk, for example, but for every case of clinical mastitis, there are between 10 and 40 cows with an undetectable sub-clinical mastitis.

To detect a sub-clinical mastitis case, you have to know the somatic cell count. DCC makes it possible to detect mastitis infection at an early stage, when it is easy and cost effective to treat it and before it spreads within the herd, infecting other cows.

Herds with mastitis under control will have a bulk tank somatic cell count below 100,000 cells/ml milk.

### **Accuracy**

The DCC accurately measures your herd, cow or cow quarter somatic cell count. DCC counts the somatic cells optically and automatically. A digital camera takes a picture of the somatic cells' nuclei, which is stained in the cassette with a DNA- specific fluorescent reagent and counts the cells' nuclei one by one.

### **Ease of Use**

DCC is a portable instrument and does not require external power, so you can use it whenever and wherever you choose. The start-up takes just a few seconds. To test, just suck up a small amount of milk in the cassette and insert it in the DCC. The sample result shows clearly as cells/ml milk on the display, just 45 seconds after the cassette is inserted.

For total work satisfaction, take the guess work out of modern dairy herd management and make the right decisions in time, every time.

# DeLaval cell counter DCC

## Can be used to improve udder health

Take control of your cows' mastitis with the DeLaval cell counter

### Earlier detection of sub-clinical mastitis

- Treatment of mastitis at an earlier stage
- Quicker recovery and less production loss
- More efficient control of the spread of mastitis
- Less risk of penalties or loss of bonus payment

### Dry cow management

- Control which cow needs dry cow therapy
- Less use and cost of antibiotics

### Efficient follow-up of fresh cow udder health

- Earlier detection of infected cows for relevant treatment

### Immediate follow-up of mastitis-treated cows

- Clear signal if the cow is treated successfully
- Clear signal when to send milk to the tank
- Direct check of udder health at purchase and sale



### ◀ DCC

Use the DCC as a herd management tool to measure and monitor the udder health of your herd, by analysing somatic cell counts (SCC).

The ability to monitor individual cow, cow quarter and bulk milk tank SCC gives you the ability to confidently make decisions that impact the overall profitability of

your farm. The DCC is a portable instrument that allows you to obtain a result in just 45 seconds with simple to use disposable cassettes.

#### DeLaval cell counter DCC - 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 60µl in the cassette
Measuring volume	Approx 1µl 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





### ▲ DeLaval Database Kit DCC

Store and export data using the DeLaval Database Kit. Connect to DelPro or download the data directly to Microsoft Excel. The database kit is a useful tool for DCC users especially for checking cow udder health history.



### ▲ DCC Cassettes

Supplied as a pack of 72, these disposable cassettes are used to analyse milk in the DCC. They contain a small amount of reagent, which when mixed with milk, reacts with nuclei of the somatic cells.

### ▶ DeLaval DCC BAG

For protection and transportation of your DCC instrument.



The main thing for us with the DCC is that it detects counts of sub-clinical mastitis before there are any visible clots. After calving, we test the cow each day until her cell count is right (to put into the bulk milk tank) - and, especially with heifers, that can take longer than the four days period we used to use. We wouldn't be without it.

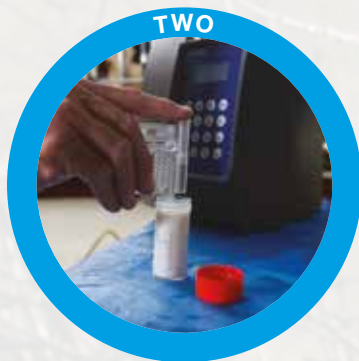
**STEVE AND ROBYN MATHER, NEAR LISMORE,  
NORTH-EAST NEW SOUTH WALES**



# Getting an accurate result is as easy as 1 – 2 – 3 – 4



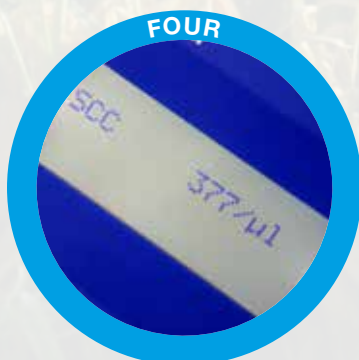
**Take a sample**



**Draw up sample  
into cassette**



**Insert the cassette**



**Read the result**



A DeLaval



- 7 8 9 Run
- 4 5 6 Del
- 1 2 3 Esc
- F 0 ↑ On/Off

*We live milk*

**delaval.com**

**DeLaval Ltd**

PO Box 10241

307 Sandwich Road, Saint Andrews  
Hamilton, New Zealand

**0800 222 228**

**DeLaval Pty Ltd**

PO Box 1410

1 Global Drive, Westmeadows  
Victoria, Australia

**1800 817 199**

**Your Local DeLaval Dealer:**