



DeLaval cell counter DCC

The power of knowing

Healthy farm





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PROFITABILITY

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. Take control of your cows' mastitis. DCC 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 dairies 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 amongst 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 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.

*DeLaval cell counter
and your dairy business m*

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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

Power of knowing

DCC gives you full control of milk quality, animal health management process, for improved profitability and work satisfaction.

ACCURACY

The DCC accurately measure 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 into the cassette and insert it into the DCC. The sample result shows clearly as cells/ml milk on the display, just 45 seconds after the cassette is inserted.

Some of the ways DCC can be used to improve udder health include:

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 or quarter needs dry cow therapy
- Less use and cost of antibiotics

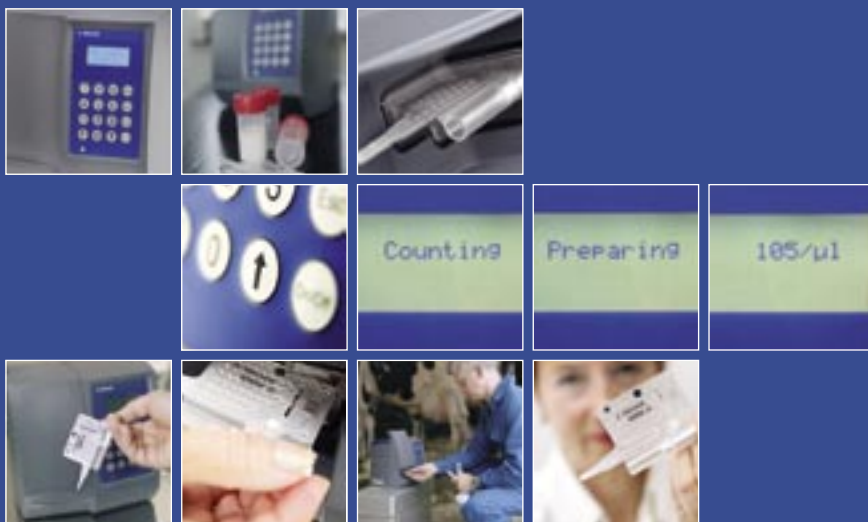
Efficient follow-up of fresh cow udder health

- 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



DeLaval – we drive progress in milk production.