A woman with reddish-brown hair, wearing blue overalls, stands in a barn next to a brown cow with a white patch on its forehead. She has her hand in her pocket and is smiling. The background shows red metal railings and a skylight.

# Lely MQC-C Cell count indication

## *The secret to controlling udder health*

Good quality milk comes from a healthy udder. Get clear insights about udder health and understand when to take action. Mastitis is a major disease in dairy cows. Get a grip on your udder health and reduce your costs!

[www.lely.com](http://www.lely.com)





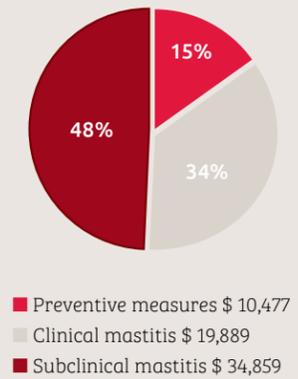
# Optimize your business

## By early detection and treatment of mastitis

It is important that you can have a sustainable and profitable business. We believe, to achieve your goals, it is important to maximize cow health and give you control of your profitability.

Mastitis is the most costly disease on a dairy farm. This bacterial infection leads to reduced cow health which results in a reduction of milk yield and increases culling, mortality rates, extra labor and the need of breeding additional young stock on your farm. The average cost per clinical mastitis cow is \$566 USD per case\*, according to a Canadian study. This study showed that the average cost of subclinical and clinical mastitis on a herd of 100 cows is \$52,942 USD per year (Mahjoob Aghamohammadi, 2018). To improve the cow health and your profit margin, it is important to be in control of the udder health of your cows!

Mastitis cost / 100 cows -Year



Source: Mahjoob Aghamohammadi, D. H. (2018). Herd-Level Mastitis-Associated Costs on Canadian Dairy Farms. *Frontiers in Veterinary Science*, 12.

## The MQC-C

To reduce the cost of mastitis on your farm and improve cow health it is important that you have the tools to detect an early bacterial infection. With the MQC-C (Milk Quality Control – Cellcount) you are able to get in control. The MQC-C offers a unique, automated and smart way to keep track of the cell count of all your individual dairy cows. With an average cost of \$9.50 USD per cow per year, it possible to have an accurate cell count indication for all your cows for every day. The MQC-C determines a cell count indication by an accurate viscosity measurement of a milk sample mixed with reagent. These results are displayed in T4C. When a cow has a high cell count indication, an automatic attention is generated in the Health Report. With this early attention, an efficient treatment can be performed.



## Farm results

Based on experience of Lely farmers world wide

- Up to six days earlier attention
- Average of one day earlier treatment
- Faster recovery period
- More successful treatments per year

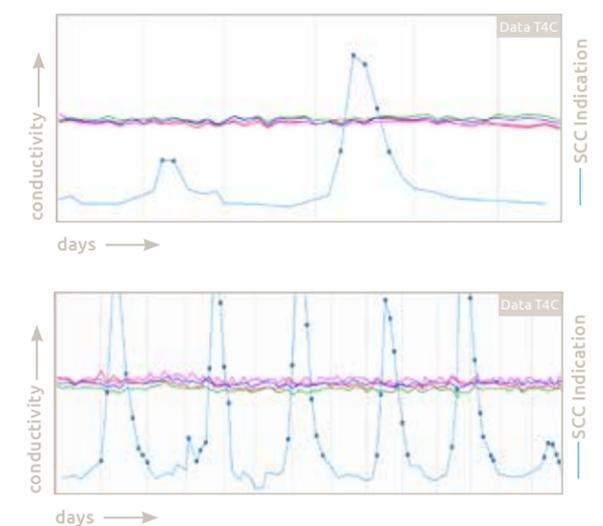
N.B: The average cost per cow for the MQC-C mentioned above may not be applicable to all farms.

## Field examples

The MQC (Milk Quality Control) is a great tool for identifying changes in the conductivity of the milk. However, conductivity is not always the best way to detect infections. Field experiences show that some changes of the conductivity in the milk do not relate to an infection. On the other hand, field experiences also show that infected cows do not show conductivity changes in the milk in an early stage of the infection.

The first graph shows an example of the T4C data of a Lely customer. In this example, the MQC-C gave an earlier attention then the MQC; the farmer treated the cow before the conductivity of the milk changed. With the MQC and the MQC-C together, you are able to detect the infection in the earliest stage possible.

In the second graph, an example from the T4C data of a Lely customer shows a pattern in the somatic cell count (SCC). When you traditionally sample SCC once a month, you are running the risk of missing these infections and increasing the risk to have more subclinical mastitis cows. With the MQC-C, you have a daily individual sample of every cow.



**With the information of the MQC-C you are able to detect and start the earliest treatments possible, resulting in faster recovery of your cows and more milk in your tank.**

N.B: Perform always a bacterial research to determine the cause of the infection.

## *The MQC-C Benefits:*

- Improve health
- Maximize revenue
- Achieve cell count goals
- Prevent additional cost
- Early access to critical information
- Daily individual sample

Lely, Astronaut, Astri, Atlantis, C4C, Calm, Calve, Capsule, Commodus, Compedes, Cosmix, Dairywise, Discovery, F4C, Graviton, Grazeway, Hubble, I-flow, InHerd, Juno, L4C, Lely Center, Lelywash, Luna, Nautilus, Orbiter, Quaress, Qwes, Shuttle, T4C, Vector, Viseo, Voyager and Walkway are registered trademarks of the Lely Group.

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