

Portable Somatic Cell Counter



Need: Early detection of troubles. Identification & separation of animals with problems

Aim:

- Monitoring mastitis and udder health management

Description:

- A portable somatic cell counter (i.e. DeLaval DCC) offers a rapid on-farm determination of somatic cell count.
 - It allows you to detect mastitis at an early stage resulting in a cost effective control of mastitis and easier flock management.
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How to Implement:

- The DCC is a portable instrument that gives results in just 45 seconds with simple to use disposable cassettes.
- Take a sample; Insert the cassette; Read the result (no. cells/ μ L of milk)



The tool proved useful when doubts about the udder health of some animals appears.

FARMER FROM ITALY

Country:

ITALY



Production System (dairy or/and meat sheep/goat):

Dairy sheep and goat

Category of Animal (ewe, goat, replacement, lamb, kid):

Lactating ewes and goats

Source of Information:

<https://techcare-project.eu/>

Attachment/links:

<https://www.youtube.com/watch?v=C-Jf5mqMeOk>



Expected Benefits:

- 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

Costs and Challenges

- You need an DNA – specific fluorescent reagent

- Set up costs ~ 5000 Euro
- Subscription required: No
- Ease of use? Scale 1 (Complicated) – 10 (Simple)



- Value for money (for this type of benchmark farm)?
Maybe
- Recommend this tool/technology for use on other types of farm? Yes



It would take 9 years for 1% of adoption.

