KITVIA

A revolution for the productivity of dairy farming

CELL-DETEK

Clinical and subclinical mastitis detector

Benefits of the product

• Easy to use: can be manipulated by anyone who is familiar with milking cows.
• Fast: the results are given in only few seconds.
• Reliable: Cell-DeteK analyzes the milk samples from the 4 quarters of the udder and displays all the results at once. Digital display allows to visualize all the results in real time with a decimal precision.
• Innovative: can be used to check the efficiency of the antibiotic treatment.
• Profitable: Compared to financial costs due to mastitis when belatedly detected, Cell-DeteK can be paid back in a very short time.
• Strong device: the tester is coated with highly resistant and waterproof plastic.
• Temperature sensor: Allows accurate results, regardless of the milk temperature.
• Bluetooth: data transfer via Bluetooth enables convenient management of large herds.

It can detect subclinical mastitis with cows that do not show any clinical signs. Since Cell-DeteK assesses conductivity of each of the four quarters of the udder, it enables to identify the infected quarter(s) by highlighting the differences of the values obtained from the four quarters.

The Cell-DeteK is a powerful tool to improve herd management and it pays off very quickly for any breeder who feels concerned by mastitis related financial losses.

This device is approved by the Ministry of Agriculture,Forestry and Fisheries of Japan, for which criterion for approval of veterinary equipment are as demanding as those for human medicine. That is the reason why the Cell-DeteK is the mastitis detector the most commonly used in countries where milk quality is a demanding control as Japan, Australia or New-Zealand.

Technical specifications

Measuring range	0 to 13mS/cm (milliSiemens/cm)
Power	2 batteries AA
Dimensions	91 (w) x 45 (h) x 181mm (L)
Net weight	320g

FARMING

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Operating procedure

1

Milk the sample directly from the teat into the collecting cup. Please take care to discard the first milk streams. Fill it almost to the brim.

2

Press the «TEST» button.
The display shows the absolute value of the electrical conductivity (ABS) of the teat on the upper left of the screen.
Example :

3

Empty the sampling cup.

4

Repeat the process with the second quarter.
The result for the second quarter appears next to the first result. So, when the 4 quarters are tested, the corresponding results will be displayed on a single line.
Example :

5

Press the «TEST» button again in order to display the difference in electrical conductivity (DIF).
The difference is calculated from the lowest electrical conductivity.
Example :

Data analysis

	ABS Electrical Conductivity (mS/cm)	DIF Difference (mS/cm)
Normal milk	< 6.2	< 0.5
Abnormal milk	≥ 6.2	< 0.5
Infected milk (mastitis)	< 6.2	≥ 0.5
Infected milk (mastitis)	≥ 6.2	≥ 0.5

Reference	Designation	Pack.
A9EQMCM5L	Cell-DeteK	1x1

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