

ACCURATE SOMATIC CELLS COUNTER & ULTRASONIC MILK ANALYZER IN ONE DEVICE!

Lactoscan COMBO



Switching SCC to milk analyzer



LACTOCHIP x4
Low cost per analysis

Accurate somatic cells counting in three simple steps

Milk Samples



2



Pipette 12 μ L
and eject onto
LACTOCHIP



1

Mix milk and
Sofia Green dye

3



Insert LACTOCHIP into
the Somatic Cell Counter



Bar-code reader (USB)



Wireless keyboard and mouse



External Standard Printer



19" HDMI Display

Fast! Accurate! Reliable!
Total milk quality control!

Fast Autofocus

Test results within
20 to 60 seconds

Store unlimited number
of records in the database

Automatic software update
and Remote service

SPECIFICATIONS

Analysis
time: < 1 minute

Capacity: > 60 tests per hour

Measuring
range: 10 000 to 10 000 000 cell/mL

Deviation: SCC (cell/mL) CV%

100 000	5%
400 000	3%
600 000	2%

- Internet Cloud Services
- e-mail & SMS support
- Multi-language support
- Touch-screen display
- Wireless keypad and mouse

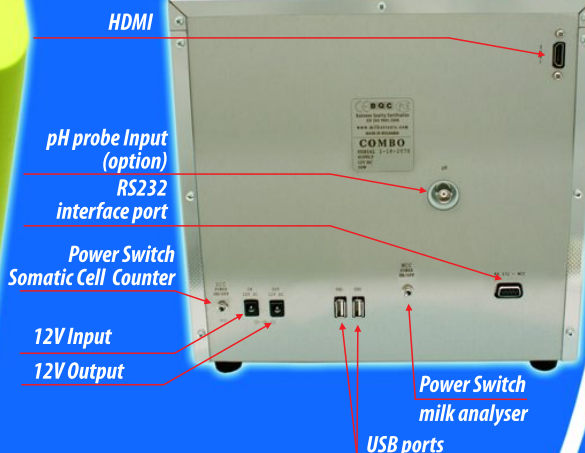
Switching from milk analyzer to SCC



Platform scales
(serial interface)



Waterproof, duplicating the Touchscreen
keypad protecting the display
(option) 50 sec., 30 sec., 20 sec. measurement



SPECIFICATIONS

Parameter	Measuring range	Accuracy
Fat	0,01-45%	$\pm 0,06\%$
SNF	3-40%	$\pm 0,15\%$
Density	1000-1160 kg/m ³	$\pm 0,3\text{kg/m}^3$
Protein	2- 15%	$\pm 0,15\%$
Lactose	0,01-20%	$\pm 0,2\%$
Added water	0-70%	$\pm 3,0\%$
Temperature	5-40 °C	$\pm 1^\circ\text{C}$
Freezing point	0,4- -0,7°C	$\pm 0,005^\circ\text{C}$
Salts	0,4-4%	$\pm 0,05\%$
pH	0-14	$\pm 0,05\%$
Conductivity	2-14 mS/sm	$\pm 0,05(\text{mS/cm})$
Kg	0-150 kg	$\pm 0,025 \text{ kg}$
Total solids	0-50%	$\pm 0,17\%$

This project is
co-funded by the
European Union



ACCURATE SOMATIC CELLS COUNTER & ULTRASONIC MILK ANALYZER IN ONE DEVICE!

The world's
LOWEST PRICED
IMAGE FLUORESCENCE
CELL COUNTER

ENVIRONMENTAL
CONDITIONS:

Ambient air temperature
10°C - 40°C (option 43 °C)
Milk temperature: 1°C - 40°C
Relative humidity 30% - 80%

ELECTRICAL
PARAMETERS:

AC voltage: 220V / 110V
DC voltage: 12V
Power Consumption:
30W max

MECHANICAL
PARAMETERS:

Dimensions (W x D x H):
390 x 300 x 260 mm
Weight < 5.3 kg
Combined stainless
steel and plastic box

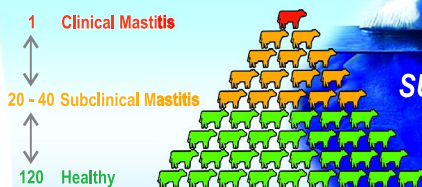
buy online on
www.lactoscan.com



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Detects subclinical and clinical mastitis
in a single test of the udder



Clinical Mastitis > 400 000 cell/mL
Subclinical Mastitis 200 000 ÷ 400 000 cell/mL
Healthy < 200 000 cell/mL
Yeast mastitis

Results are color coded



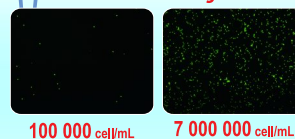
The iceberg of mastitis

CLINICAL
MASTITIS

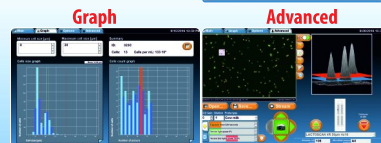
SUBCLINICAL
MASTITIS



Somatic cell images



3 working
modes



Indication of different
mastitis and pathogens



LactoScan Analyser - Database (LSAN-DB)

LSAN-DB collecting information from Lactoscan® compatible measurement
files and creating reports consistent with predefined formulae.
The application saves data collected to a MySQL database.

Local and Cloud Based DB

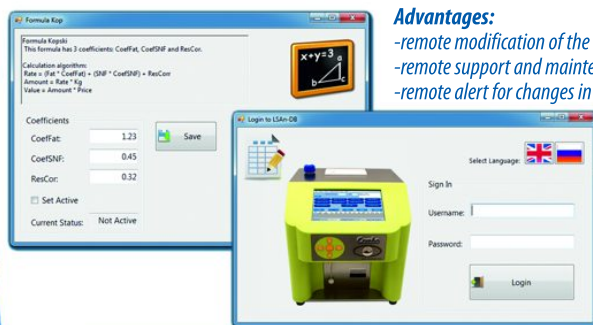
Cloud Database Application. Total solution for milk collecting process.

Windows tablet, wireless, cloud services based system:

- Easy to use, integrated, internet based;
- Automated farmer identification (bar-code card);
- Real-time SMS and e-mail alerts;
- Remote back-up support and maintenance, updates;
- Payment schemes calculations;
- Real-time online access to milk data;

Advantages:

- remote modification of the rate-charts
- remote support and maintenance
- remote alert for changes in calibration



Milkotronic Dairy United - Nova Zagora

Report generated: 2015-11-29 15:53:05

Report for: 2015-04-09 | Type of report: Shift / Large | Shift: Morning

Time	Deliverer	Litres	Fat	SNF	Rate	Amount	Value
11:57:48	1001	1.34	3.97	22.69	20.12	26.96	347.26
09:57:03	1114	12.53	4.33	23.24	4.54	56.89	732.09
09:55:21	1234	2.41	4.11	23.92	5.56	13.90	179.03
09:58:23	1914	32.57	4.03	24.21	5.56	181.09	2332.43
09:59:30	2924	34.50	11.66	22.29	4.54	156.63	2017.39
Average Fat: 7.23		Average SNF: 23.54		Average Rate: 0.48		Total Value: 5508.80	
Total Amount: 435.47		Total Quantity: 83.44					

Milk conductivity measuring system (option)

Milk conductivity changes depending on concentration of ions in the milk.
Milk conductivity can be used for:

- test of udder health (detection of subclinical mastitis);
- control of water evaporation grade in condense milk production;
- determination of dry milk solubility rate.

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