

High-end fluorescent microscope with ultrafast
precise liquid autofocus and cell counting software

MUCH MORE THAN A SIMPLE SOMATIC CELL COUNTER

Lactoscan Somatic Cell Counter

Embedded printer 10" fully functional touch screen tablet Test results within 20 to 60 seconds

The world's
LOWEST PRICED
IMAGE FLUORESCENCE
CELL COUNTER



LACTOSCAN
SOMATIC CELLS COUNTER
7/1/2014 10:52:28
ID= 43D
LACTOCHIP-QL1 50µm
...
Balko
(Other) milk, dilution factor 1
362·10³ Cells per mL

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%

Barcode scanner -
Easy sample data entry

LACTOCHIP x4
Low cost per analysis

WiFi Fast Autofocus

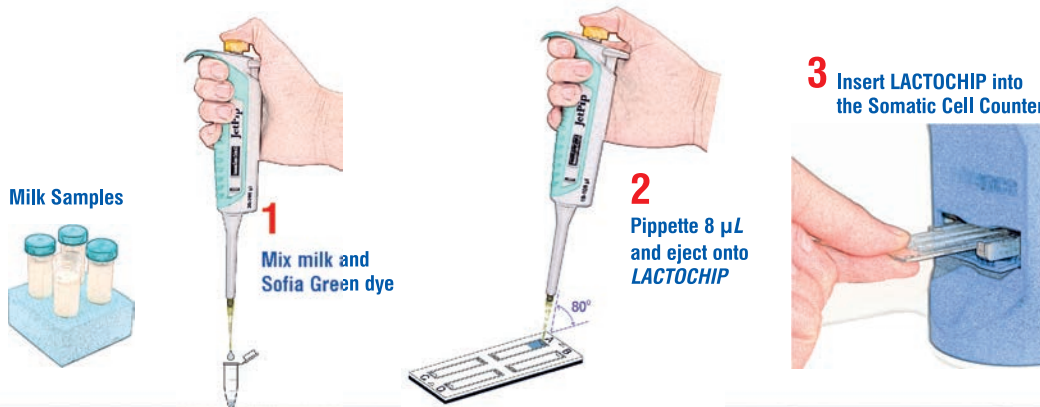
Wireless keyboard
and mouse

Store unlimited number of records in the database
Automatic software update and Remote service

New

**DETECTION OF
YEAST MASTITIS!**

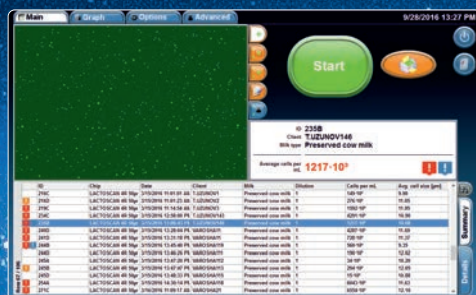
Accurate Somatic Cell Counting in three simple steps:



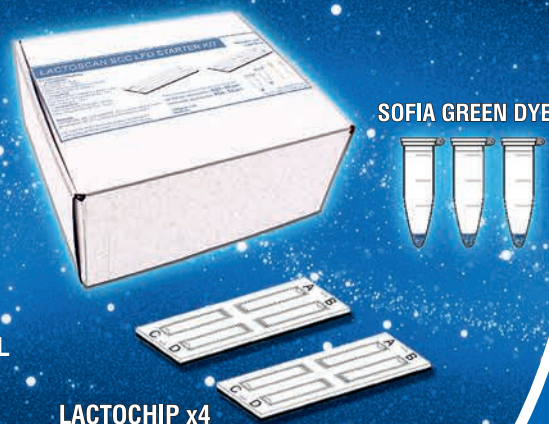
KEY FEATURES:

- Simple in operation
- Fast somatic cell analysis
- Accurate and reliable results
- Portable and compact design
- Low maintenance cost
- One year full warranty

Results are color coded



LACTOSCAN SCC STARTER KIT



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

**THE WORLD'S
LOWEST COST
PER TEST OF IMAGE
FLUORESCENCE
SOMATIC
CELLS COUNT**

This project is
co-funded by the
European Union



Improve your herd's udder health
See with your eyes what the others don't see

ENVIRONMENTAL CONDITIONS:

Ambient temperature: 10 - 40 °C
Milk temperature: 1- 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 < 6 kg

Plastic cover box

Detects subclinical and clinical mastitis in single teat of the udder

The iceberg of mastitis

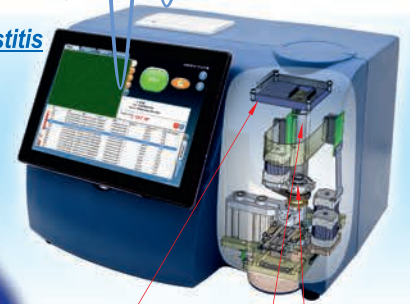


CLINICAL MASTITIS

SUBCLINICAL MASTITIS

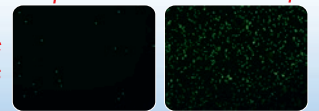


- ! Clinical Mastitis > 400 000 cell/mL
- ! Subclinical Mastitis 200 000 ÷ 400 000 cell/mL
- Healthy < 200 000 cell/mL



CCD camera Ultrafast precise liquid lens autofocus Fluorescent microscope

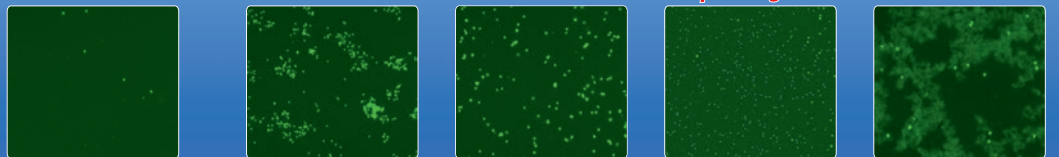
Somatic cell images



3 working modes



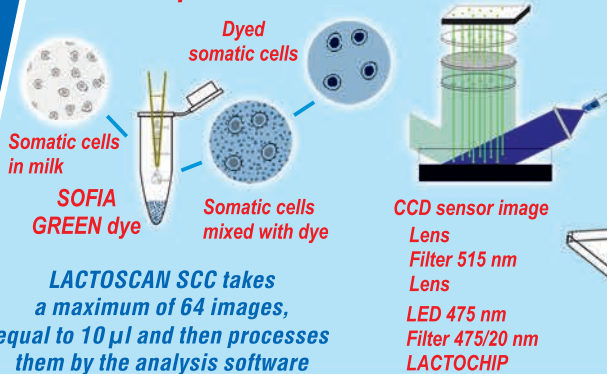
Indication of different mastitis and pathogens



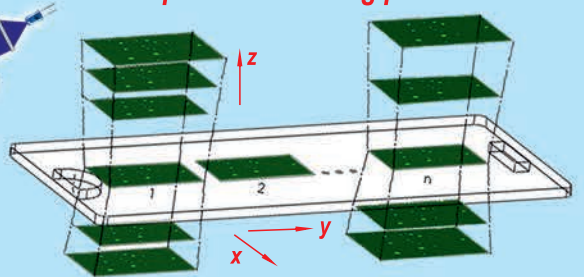
Normal milk 100x10³ cell/mL Staphylococcus mastitis Streptococcus mastitis Yeast mastitis Mycoplasma mastitis

The Principle of LACTOSCAN SCC

Unique, 3D, multi-image, patent application protected, sequential scanning process



LACTOSCAN SCC takes a maximum of 64 images, equal to 10 µl and then processes them by the analysis software



buy online on
www.lactoscan.com

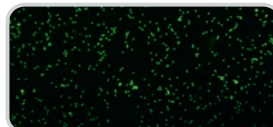


LACTOSCAN SCC

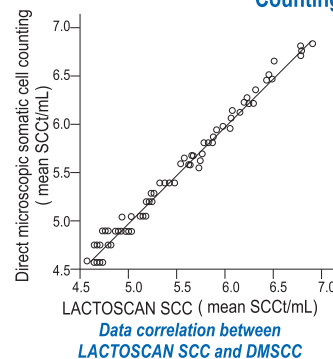
compare to

DMSCC

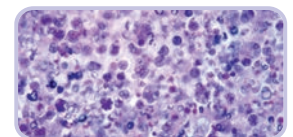
Direct fluorescent, low magnification microscopic somatic cell counter



Image

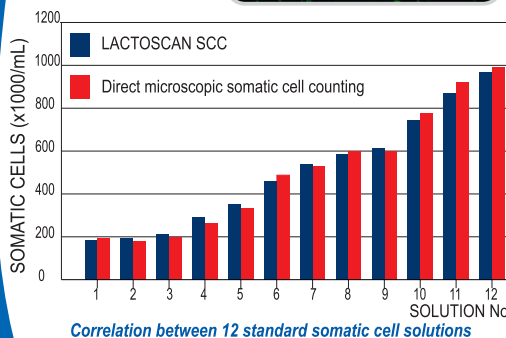


Direct Microscopic Somatic Cell Counting



	LACTOSCAN SCC	DMSCC
SCC (cell/mL)	*CV %	*CV %
100 000	5 %	7 %
400 000	3 %	5 %
600 000	2 %	4 %

* Coefficient of Variation
Comparison of deviation



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