

High-end fluorescent microscope with
autofocus and cell counting software

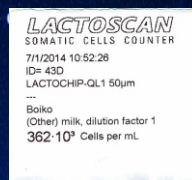
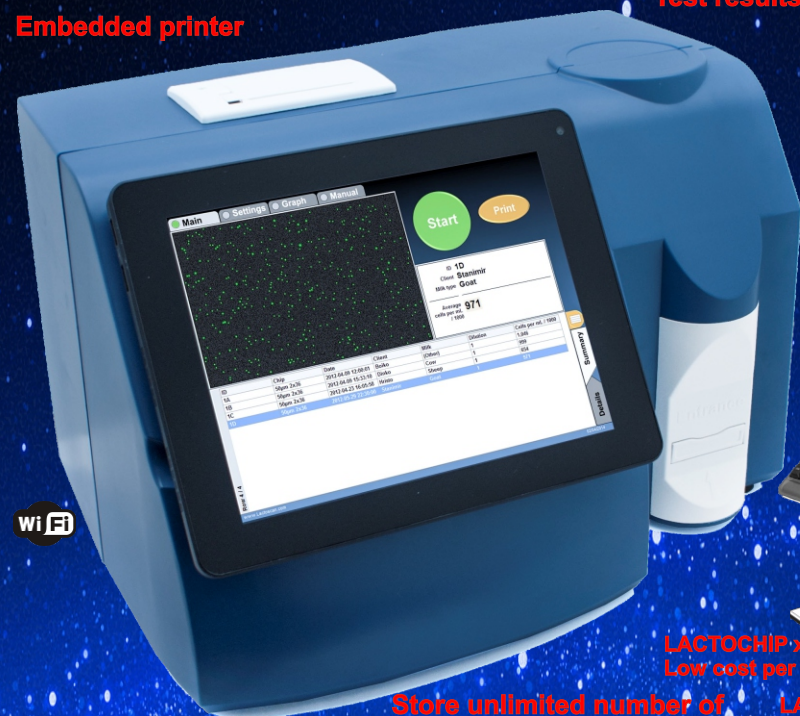
Lactoscan Somatic Cell Counter

**The world's
LOWEST PRICED
IMAGE FLUORESCENCE
CELL COUNTER**

10" fully functional
touch screen tablet

Test results within 20 to 60 seconds

Embedded printer



Fast Autofocus

**Wireless keyboard
and mouse**



LACTOCHIP x4
Low cost per analysis

LACTOCHIP x2
High accuracy analysis

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%
Weight:	5.3 kg

DEVIATION RANGE:

Number of cell/mL	*CV%
100 000	5%
400 000	3%
600 000	2%

Accurate Somatic Cell Counting in three simple steps:



3 Insert LACTOCHIP into
the Somatic Cell Counter



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



Calibration Sample
1000x10³ cell/mL

Calibration Sample
300x10³ cell/mL



SOFIA GREEN DYE

LACTOCHIP x4

LACTOCHIP x2

**The world's
LOWEST COST
per TEST of
SOMATIC CELL COUNTS**

This project is
co-funded by the
European Union

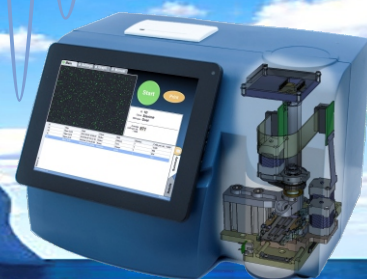


Clinical Mastitis	> 400 000 cell/mL
Subclinical Mastitis	200 000 - 400 000 cell/mL
Healthy	< 200 000 cell/mL

**Detects subclinical
and clinical mastitis in
single teat of the udder**

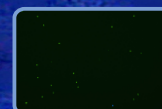


**CLINICAL
MASTITIS**

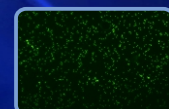


**SUBCLINICAL
MASTITIS**

Somatic cell Images

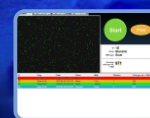


100 000 cell/mL

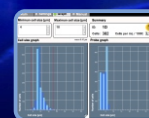


7 000 000 cell/mL

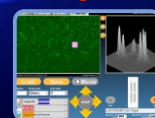
3 working modes



Main



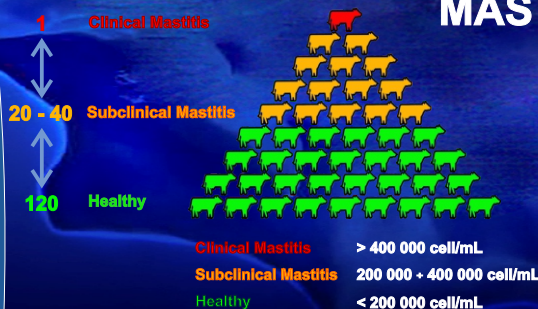
Graph



Manual (optional)

ENVIRONMENTAL CONDITIONS:

Ambient temperature: 10 - 40 °C
Milk temperature: 1 - 40 °C
Relative humidity: 30 - 80 %



ELECTRICAL PARAMETERS:

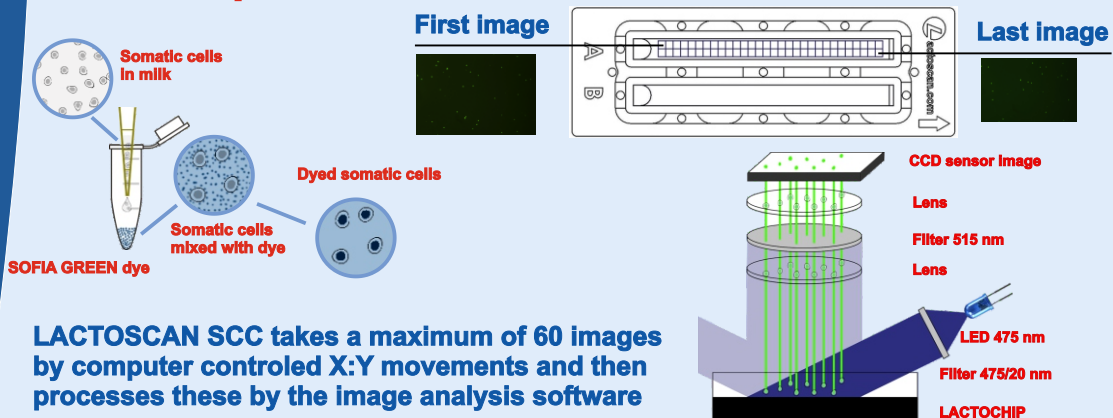
AC voltage: 220V/110V
DC voltage: 14V
Power Consumption:
30W max

MECHANICAL PARAMETERS:

Dimensions (W x D x H):
390 x 300 x 260 mm
Weight < 5.3 kg

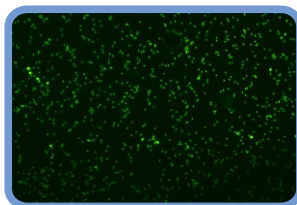
Plastic cover box

The Principle of LACTOSCAN SCC



LACTOSCAN SCC

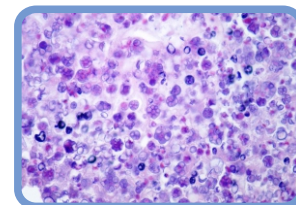
Direct fluorescent,
low magnification microscopic
somatic cell counter



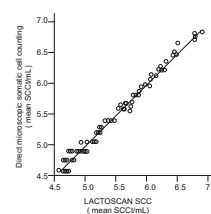
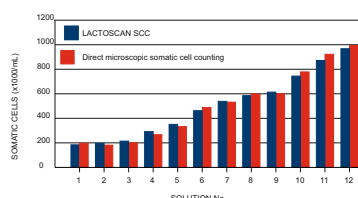
compare to

DMSCC

Direct Microscopic
Somatic Cell Counting



Image



	LACTOSCAN SCC	DMSCC
SCC (cell/mL)	*CV %	*CV %
100 000	5 %	7 %
400 000	3 %	5 %
800 000	2 %	4 %

Comparison of deviation



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