

# The NucleoCounter<sup>®</sup> SCC-400<sup>™</sup>

– for high-speed counting of somatic cells in milk

## The NucleoCounter<sup>®</sup> SCC-400<sup>™</sup>

The NucleoCounter<sup>®</sup> SCC-400<sup>™</sup> offers unique ease of use and effective and fast determination of the number of somatic cells in a milk sample.

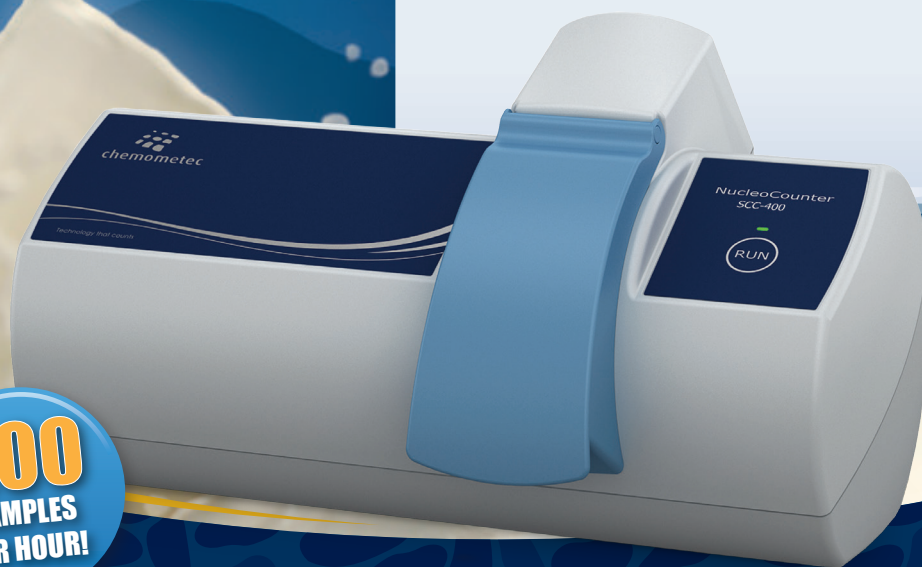
The compact instrument fits perfectly in any research, reference or central laboratory function. The NucleoCounter<sup>®</sup> SCC-400<sup>™</sup> is very simple to operate with only limited training in laboratory work.

**Principle:** The NucleoCounter<sup>®</sup> SCC-400<sup>™</sup> is an integrated fluorescence microscope designed to detect signals from the fluorescent nuclei dye. Results from the NucleoCounter SCC-400 represent the total cell concentration.

## Key Benefits

of the NucleoCounter<sup>®</sup> SCC-400<sup>™</sup>

- ✓ Up to 200 samples per hour
- ✓ Simple operation
- ✓ Simple cleaning
- ✓ Simple Maintenance
- ✓ Excellent reproducibility



**200**  
SAMPLES  
PER HOUR!

The NucleoCounter<sup>®</sup> SCC-400<sup>™</sup>

- The high-speed counting solution for somatic cells in milk

## Simple Operation

### Sample Preparation

Mix a representative cell sample with Reagent C400 (lysis and staining buffer).

### Sampling

Place the pipette of the NucleoCounter® SCC-400™ instrument in the sample.

### Analysis

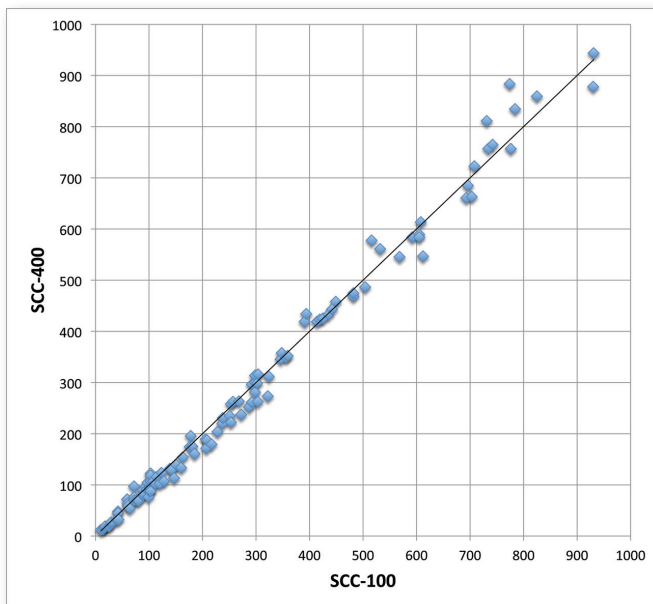
After about 15 seconds the cell count is presented in the result list.

No	Type	ScanTime	CellCount	Status
67	Sample	14:32:09	102	OK
68	Sample	14:32:31	107	OK
69	Sample	14:32:48	113	OK
70	Sample	14:33:06	131	OK
71	Sample	14:33:24	277	OK
72	Sample	14:33:43	2197	OK
73	Sample	14:34:01	202	OK
74	Sample	14:34:17	133	OK
75	Sample	14:35:10	194	OK
76	Sample	14:35:31	260	OK
77	Sample	14:35:50	409	OK
78	Sample	14:36:07	723	OK
79	Sample	14:36:25	259	OK
80	Sample	14:36:42	772	OK

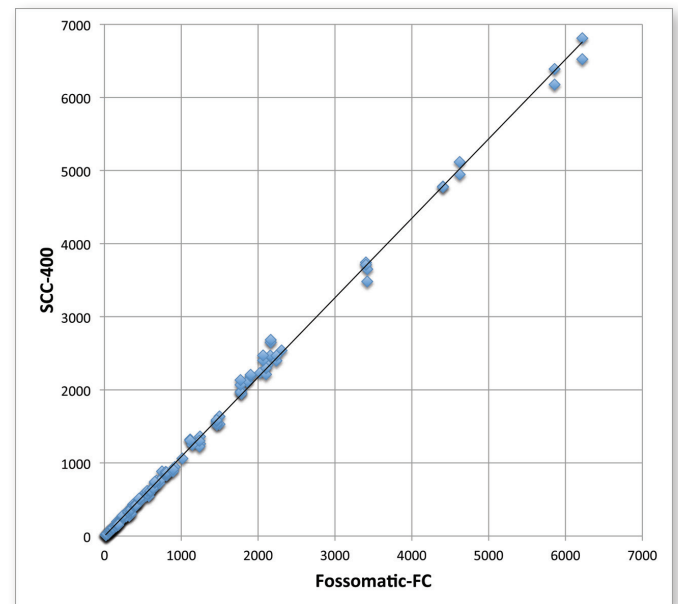
**200**  
SAMPLES  
PER HOUR!

## Results

SCC-400 vs SCC-100



SCC-400 vs Fossomatic-FC



## NucleoCounter® SCC-400™ Specifications

<b>Sample volume:</b>	250 µL is mixed with 500 µL of Reagent C400
<b>Measurement volume:</b>	Up to about 36 µL of the sample mixture, 12 µL of milk, is analysed in the instrument (Working Factor 85)
<b>Measurement range:</b>	Up to 10,000,000 cells/mL
<b>Size:</b>	38 x 26 x 22 cm (W x H x D), weight 4.5 kg
<b>Software:</b>	NucleoView® SCC-400™ computer software for documentation and instrument control

For more information, please visit [www.chemometec.com](http://www.chemometec.com)

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