Technology that counts

chemometec

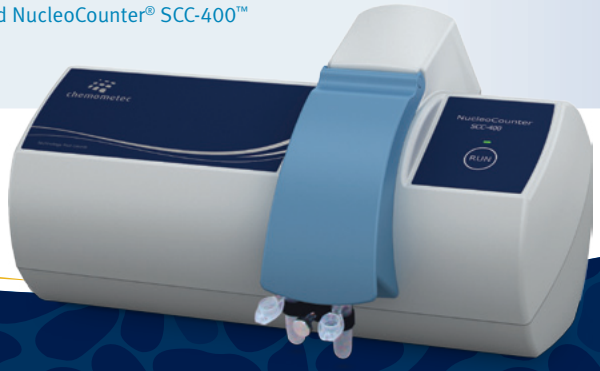
NucleoCounter® SCC-400™

– Technical Specifications

Specifications

Analyte	Somatic Cells in Raw Milk
Analytical Principle	Fluorescence Microscopy
Sample Capacity	Up to 200 Samples per Hour
Sample Volume	0.25 mL milk mixed with 0.5 mL Reagent C400
Sample Temperature	20 to 42°C
Measuring Range	0 to 10,000,000 cells/mL
Performance Range	0 to 2,000,000 cells/mL
Measured Volume	12µL of milk is analyzed [1]
Working Factor	85 [1]
Accuracy	‹ 10% Relative mean differenc from DMSCC [2]
	‹ 2% Relative mean difference from NucleoCounter® SCC [3]
Repeatability [1] [4]	CV ‹ 5% at 100,000 cells/mL
	CV ‹ 3.5% at 300,000 cells/mL
	CV ‹ 3% at 500.000 cells/mL

1) Instrument in “High Precision Mode”
2) Direct Microscopic Somatic Cell Count
3) NucleoCounter® SCC instruments, including NucleoCounter® SCC-100™ and NucleoCounter® SCC-400™
4) Repeatability as relative coefficient of variance



The NucleoCounter® SCC-400™

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

Physical Specifications

Instrument Size	H 26 cm, W 38 cm, D 22 cm.
Instrument Weight	4.5 kg
Power Supply	100 – 240 VAC, 50 - 60 Hz. 24 VDC
Power Consumption	7/20W (Ready mode/Peak)
Operating / Storage Condition	Minimum temperature 15°C. Maximum relative humidity 80 percent for temperatures up to 31°C decreasing linearly to 65 percent relative humidity at maximum 35°C.

Standards and Approvals

NucleoCounter® SCC-400™ is CE labelled and complies with the following directives:

Directives
Electromagnetic Compatibility (2004/108/EC). EMC
Low Voltage Directive (2006/95/EC) LVD
Machinery Directive (2006/42/EC) MD

Standards

EMC:
EN 61326-1:2006 Electrical equipment for laboratory use
EN 61000-3-2: 2006 Limits for harmonic current emissions
EN 61000-3-3: 1995 +A1 +A2: 2005 Limitation of voltage changes, voltage fluctuations and flicker

LVD:
EN 61010-1:2001 Safety requirements for electrical equipment for measurement, control, and laboratory use

MD:
EN 12100-1: 2003 Safety of machinery; Basic concepts, general principles for design — Part 1
EN 12100-2: 2003 Safety of machinery; Basic concepts, general principles for design — Part 2:
EN ISO 14121-1:2007 Safety of machinery; risk assessment

Software

Software:	NucleoView® SCC-400™ computer software for documentation and instrument control
Operating System	Windows XP, Windows 7
Min. Display Size	1024 x 640

PT VER 09.11

For more information, please visit **www.chemometec.com**

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