

## Fossomatic™ 7

Somatic cell counting for raw milk testing



The Fossomatic™ 7 provides accurate somatic cell counting (SCC) capability, handling up to 600 samples per hour. Results are delivered simultaneously in six seconds while unique hardware and software features boost proficiency in the laboratory.

### Innovative 7<sup>th</sup> generation technology

Fossomatic 7 is a flexible solution allowing you to choose between manual or automatic reagent mixing. Rinse liquid refill without instrument stop allows you to keep operations running at all times. A modular design makes Fossomatic easy to clean and maintain and includes a sample conveyor without need for compressed air.

### Higher performance and flexible solution

With a low working factor of 100, you can rely on the repeatability of results over time, whether running at 100 or 600 samples per hour.

### Optimise instrument management with FOSS digital services

Ensure consistent performance of all instruments in your network and avoid downtime by making upgrades and adjustments while instruments continue to run. Protect your database and settings with automatic back up of data.

### Sample type

Raw milk from cows, goat, sheep and buffalo

### Parameters

Total somatic cell count (SCC)

### Technology

Flow cytometry technology that counts somatic cells. Can be integrated with the Milko-Scan™ 7 RM to form a CombiFoss™ 7.

### Approvals

SCC in compliance with ISO/IDF standards. FDA/NCIMS and MicroVal (EURL) approved

# Specifications

<b>Performance</b>	
Measuring range	0 – 10 mill cells/ml
Performance range	0.1 – 1.5 mill
Repeatability	CV < 6% 100-299k SCC/ml CV < 4% 300-499k SCC/ml CV < 3% 500-1500k SCC/ml
Accuracy	< 10% relative mean diff. from DMSCC (Direct Microscopic Somatic Cell Count)
Carry-over	< 1% relative
Sample types	Fossomatic™ 7: Cow, goat, sheep and buffalo milk
<b>Application data</b>	
Analysis capacity	100, 200, 300, 400, 500 or 600 samples per hour
Sample intake	2.5 ml (programmable 2.0 – 5.0 ml)
Required sample temperature	37 - 42 °C (86-107.6 F)
Working factor	100
<b>Instrument management</b>	
Networking software	FossManager™

## Standards and approvals

- Fossomatic™ 7 is CE-labelled and complies with the following directives and regulations:
- EMC (ElectroMagnetic Compatibility) Directive 2014/30/EU
- LVD (Low Voltage) Directive 2014/35/EU
- Machinery Safety Directive 2006/42/EC
- Regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixture, CLP (EC)
- WEEE Directive 2012/19/EU
- Packaging and packaging waste Directive 94/62/EC
- REACH 1907/2006/EC

## Fossomatic technology complies with:

- AOAC
- ISO 13366-2 / IDF 148-2:2006
- Laser approval (FDA), IEC 60825-1
- FDA/NCIMS and MicroVal (EURL) approved

FOSS

Tel.: +45 7010 3370

info@foss.dk · www.fossanalytics.com

GB, January 2019