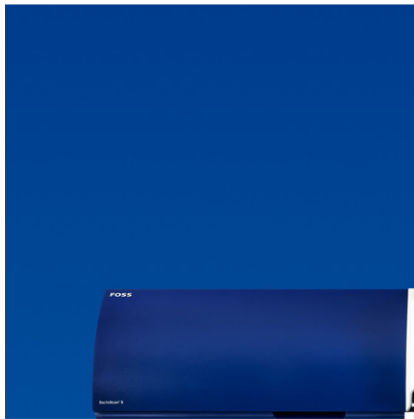


**FOSS**

# RAW MILK TESTING SOLUTIONS

THE COMPLETE PRODUCT RANGE

ANALYTICS BEYOND MEASURE



# CONFIGURE YOUR IDEAL SOLUTION

## Capacity (samples/ hour)

CombiFoss™ 7  
MilkoScan™ 7 RM  
Fossomatic™ 7  
Fossomatic™ 7 DC

100 - 200 - 300 - 400 - 500 - 600

BactoScan™ 5: 65 - 100 - 130 - 150 - 200

## Sample presentation

- Pipette
  - Conveyor 7
  - Conveyor 5000
- Left & right extensions  
Bracket for hinged lids  
Output buffer  
Extra tray

## Sample ID

- Barcode reader: horizontal, vertical, omni-directional or 2D scanning
- Radio frequency identification

## Parameters

Fossomatic™ 7

- Somatic cell count (SCC)

Fossomatic™ 7 DC

- Somatic cell count (SCC)
- Differential somatic cell count (DSCC)

MilkoScan™ 7 RM :

- Fat
- Protein (true & crude)
- Casein
- Lactose
- Solids (TS & SnF)
- Urea
- Citric acid
- Free fatty acids
- Fatty acids profile
- Freezing point depression
- pH
- Ketosis screening
- Adulteration screening package (targeted and untargeted)
- Fatty acid origin

BactoScan™ 5:

- Individual bacteria count (IBC)

BacSomatic™:

- Individual bacteria count (IBC)
- Somatic cell count (SCC)



# PRODUCT RANGE



## BacSomatic™

is the first-ever integrated bacteria and somatic cell tester. It offers full automation for minimal reagent handling and consistent test results. BacSomatic™ is easy to use and a fast alternative to manual assay, providing instant, simultaneous results for bacteria count and somatic cell count within 9.5 minutes and 15 samples/hour (1.5 minutes and 40 samples/hour for somatic cell count alone). FDA/NCIMS and MicroVal approved.

### Sample type

Raw cow milk and buffalo milk.

### Parameters

Bacteria count and somatic cell count.



## MilkoScan™ 7 RM

The MilkoScan™ 7 RM is a high capacity, fully automatic solution for milk composition analysis for payment and dairy herd improvement measuring up to 17 parameters in just six seconds. MilkoScan™ 7 RM can be integrated with the Fossomatic 7 or 7 DC somatic cell counter to form a CombiFoss™ 7. ICAR approved.

### Sample type

Raw milk (cow, goat, sheep, buffalo)

### Parameters

Fat, protein (true & crude), casein, lactose, solids (TS & SnF), urea, citric acid, free fatty acids, fatty acids profile, freezing point depression, pH, ketosis screening, untargeted raw milk screening (adulteration screening), fatty acid origin.



## Fossomatic™ 7

The Fossomatic™ 7 provides accurate somatic cell count (SCC) with a capacity of testing up to 600 samples per hour. The fast turnaround gives farmers timely information to tackle early signs of mastitis. Results are delivered simultaneously in six seconds while unique hardware and software features boost proficiency in the laboratory. Can be integrated with the MilkoScan™ 7 RM to form a CombiFoss™ 7. FDA/NCIMS, MicroVal and ICAR approved.

### Sample type

Raw milk (cow, goat, sheep, buffalo)

### Parameters

Somatic cell count (SCC)



## Fossomatic™ 7 DC

The Fossomatic™ 7 DC provides accurate total somatic cell count (SCC) and differential somatic cell count (DSCC) with a capacity of testing up to 600 samples per hour. The new and unique DSCC parameter gives farmers a better tool for improved management of subclinical mastitis. Can be integrated with the MilkoScan™ 7 RM to form a CombiFoss™ 7 DC. FDA/NCIMS, MicroVal and ICAR approved on SCC.

### Sample type

Raw milk (cow)

### Parameters

Somatic cell count (SCC) and differential somatic cell count (DSCC)



## CombiFoss™ 7 / CombiFoss™ 7 DC

CombiFoss™ 7 provides raw milk testing for 19 parameters in 6 seconds, including somatic cell count (SCC) and differential SCC. Seamless integration of MilkoScan™ 7 RM (FTIR) and Fossomatic™ 7 / 7 DC (Flow Cytometry) in one analysis unit.

### Sample type

CombiFoss™ 7: Raw milk (cow, goat, sheep, buffalo)

CombiFoss™ 7 DC: Raw milk (cow)

### Parameters

Somatic cell count, differential somatic cell count, fat, protein (true & crude), casein, lactose, solids (TS & SnF), urea, citric acid, free fatty acids, fatty acids profile, freezing point depression, pH, ketosis screening, untargeted raw milk screening (adulteration screening), fatty acid origin.



## BactoScan™ 5

Based on the measurement of individual bacteria count (IBC), BactoScan™ 5 gives an accurate determination of the hygienic quality of raw milk with a capacity of testing up to 200 samples per hour. Choose between running 65, 100, 130, 150, or 200 samples/hour. FDA/NCIMS and MicroVal approved.

### Sample type

Raw milk (cow, goat, sheep, buffalo)

### Parameters

Individual bacteria count (IBC)

## FOSS certified consumables

### MilkoScan™ 7:

- Zero liquid
- Cleaning agent
- Fossclean

### Fossomatic™ 7 and 7 DC:

- Ready to use dye bags
- Buffer
- Detergent

### BactoScan™ 5:

- Buffer Powder
- Detergent
- Staining Medium
- Enzyme 150
- Rinse/Sheath Concentrate
- Rehydration Kit
- Bacterial Control Sample

## Software

- Foss Integrator operating SW
- FossManager™ networking software
- Advanced data communication
- Control charts option
- Automatic job control
- Data export spectrum collection
- Calibration development tools

## Sample types

- Cow
- Goat
- Sheep
- Buffalo

Fossomatic 7 DC - only cow samples



BactoScan™ 5

## Quality Assurance

- Equalizer for MilkoScan™ 7 standardisation
- FMA and FMA DC for Fossomatic 7 and 7DC
- Bacterial control sample for BactoScan

## Accessories

- Tables
- Printer
- Extra trolley for Fossomatic 7
- Waste containers

# The flexible laboratory

Whether you need to analyse milk from cows, buffalo, sheep or goats, FOSS solutions naturally provide the capability. Your analysers can be configured with FOSS global calibrations to your specific business requirements.

For payment, you can measure a range of well used and newer parameters such as individual bacteria count, somatic cell count, casein, free fatty acids, freezing point depression, fat, protein, solids ... and many more. While for herd improvement you can measure somatic cell count, differential somatic cell counting, urea, fat, protein, fatty acids profile, ketosis and many more. And, depending on your setup, a wide range of service and support options are available.

These and other options are provided by a flexible analysis framework with a high degree of choice according to your business.

All instruments are fully upgradeable for capacity, parameters and software as your business develops.

# FOSS

FOSS  
Nils Foss Allé 1  
DK-3400 Hilleroed  
Denmark

Tel.: +45 7010 3370

[info@fossanalytics.com](mailto:info@fossanalytics.com)  
[www.fossanalytics.com](http://www.fossanalytics.com)

GB, January 2025