BactoScan FC™ in brief

BactoScan™ measures the hygienic quality of raw milk by counting the total number of individual bacteria cells in raw milk samples.

The BactoScan patented method is used for payment purposes and is a valuable tool for monitoring on-farm hygienic status. BactoScan has become the industrial standard for counting bacteria in many countries worldwide and more than 90% of all milk within the European Union is paid for based on BactoScan results.

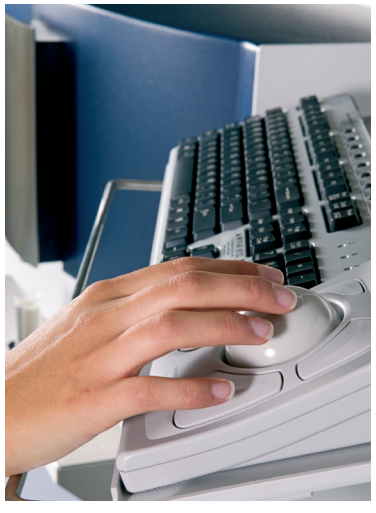
The BactoScan FC semiautomatic option is an ideal solution for laboratories with a limited sample throughput. Some automation features are left out, but all the main BactoScan FC benefits are still there, including:

- Reliable results in less than 9 minutes
- Bacteria control samples to ensure correct performance
- Foss Integrator Software facilities for operational performance
- Training and local support
- Simple and fast reagent handling

About Foss Integrator

Foss Integrator is an integrated software platform for FOSS analytical solutions for raw milk testing, payment analysis and Dairy Herd Improvement analysis. It helps laboratories to achieve new levels of productivity through:

- Common user interface
- Simple and flexible operations
- Efficient quality assurance functions
- Data availability
- Software service and support



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BactoScan FC™ Semiautomatic

Quality scaled to fit

Dedicated Analytical Solutions

For decades, BactoScan™ has set the standard for measuring the hygienic quality of raw milk

Take the latest BactoScan™ model, BactoScan FC, as an example. It has demonstrated 10 years of proven success in supporting both high quality analysis and the operational efficiency demands of busy CMT laboratories handling a high throughput of milk samples each day.

Now, a new option, 'BactoScan FC Semiautomatic', makes BactoScan testing available in a form that is ideal for milk testing laboratories with lower sample throughput. Typically, these laboratories need BactoScan reliability, but not the full complement of automation facilities supplied with the FC model.

Same quality

The semiautomatic option is exactly the same instrument as BactoScan FC, except that the automatic sampling conveyor and stirrer have been removed.

Still in the picture are features such as the fully automatic sample preparation that helps to avoid human error, the BactoScan method of counting individual bacteria rather than colony forming units, short analysis time of less than 9 minutes and Foss Integrator software.

BactoScan FC™ semiautomatic:

- Scaled down to fit labs with limited sample throughput by removing the sample conveyor, stirrer and some software automation features
- Delivers the same quality results as BactoScan FC
- Employs the proven and documented BactoScan analysis method
- Many national approvals for BactoScan FC
- Can be upgraded to a fully automatic model if needed

It's that bit extra that counts

BactoScan is built on proven FOSS technology and over 20 years experience in the dairy industry.

Delivering fast, reliable results, BactoScan allows immediate action to be taken in pursuit of hygienic quality. With an analysis time of less than 9 minutes, BactoScan meets the demands of laboratories worldwide.

But more than this, it also supports the milk testing laboratory with a unique range of facilities aimed at ensuring operational efficiency. Comprehensive software, simplicity of maintenance, training and local support are all important elements of a BactoScan solution.

Requirements for Good Laboratory Practices, ISO 17025 and other standards are simple to meet with the BactoScan FC.

About BactoScan FC™ flow cytometry

The reliability of results lies in the BactoScan flow cytometry – a technology that offers reliable determination of the hygienic quality of raw milk by counting the total number of individual bacteria cells in samples.

The principle is quite simple: A suspension of cells is stained and forced through a capillary tube, which is illuminated in front of a microscope objective. Every passing cell is then registered by photoelectronics attached to the microscope to give the individual bacteria count.

The Individual Bacteria Count can be transferred into Colony Forming Units with the aid of a conversion table.