

BENTLEY
INSTRUMENTS

FTS COMBI

RAPID AND ACCURATE DETERMINATION OF
SOMATIC CELLS & CHEMICAL COMPOSITION
IN RAW MILK

FTIR ANALYZER & FLOW CYTOMETER

- Up to 64 parameters simultaneously (Fat, Protein, DM, Lactose, Casein, SCC...)
- Spectra standardization in real time without reagent
- Integrated quality control protocol
- Up to 600 samples/hour
- Support & remote control
- Customizable software interface
- Centralized database

MINERALS

CASEIN

FPD

LACTOSE

PROTEIN

SOLIDS

FAT

FATTY ACIDS PROFILE

BLOOD BHB

PH

FFA



DETERMINATION OF **BLOOD COMPOSITION**
BASED ON **IR MILK SPECTRA** (PATENTED)

SPECTRA STANDARDIZATION IN REAL TIME WITHOUT REAGENT (PATENTED)

**THE ULTIMATE SOLUTION FOR THE OPTIMAL VALORIZATION,
THE FAST & ACCURATE SCRUTINY OF EACH RAW MILK SAMPLE**

The FTS Combi system is a fast and fully automated instrument that uses a proprietary process based on flow cytometry and FTIR spectroscopy for the highly accurate and reliable determination of raw milk somatic cells and chemical composition.

Spectra are standardized in real time for optimal calibrations transferability, stability and qualitative analysis (adulteration). Direct access to the spectra for new applications development.

FTS COMBI



The FTS combi represents the latest in state-of-the-art technology for automated milk analysis at 600 samples/hour. Engineered in accordance with Bentley Instruments' rigorous design principles, the FTS combi provides precise and accurate measurements. The FTS combi comprises two separate modules — the Bentley Flow Cytometer (FCM), and the Bentley Fourier Transform Spectrometer (FTS). The FCM measures the somatic cell count of the milk samples while the FTS simultaneously measures the milk composition up to 64 parameters (fat, protein, lactose, casein, fatty acids profil, minerals, blood BHB,...).

The combination of the Combi FTS and the ILAS 3000 allows the complete automation and standardization of the analytical chain and MSDs reduction. An operator can manage up to 3 lines simultaneously. Always with a goal of enhanced productivity and standardization, this system analyzes up to 600 samples/hour.



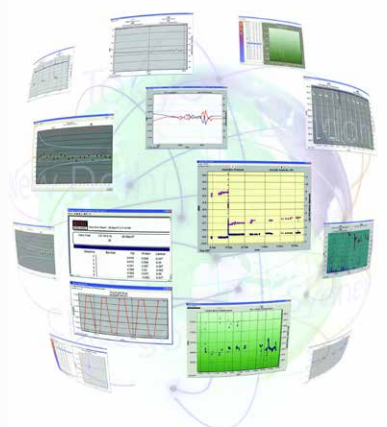
INTELLITECH
AUTOMATION

OPTIMAL SOLUTION FOR LABORATORY

World Class Service & Support

Delivering a rapid and superior level of customer support is a top priority at Bentley Instruments.

Our experienced team provides on site installation, training and service as well as phone and internet support to help you maintain the highest level of productivity.



ABOUT BENTLEY INSTRUMENTS...

For more than 35 years, Bentley Instruments specializes in the design and development of analytical solutions for the optimal valorization of milk and dairy products. We also offer solutions for the milk analyzers and laboratories automation to ensure complete methods standardization as well as a systematic and optimized analytical evaluation of each sample. The goal of this new holistic approach is to provide new tools for the optimal qualitative and economic valorization of your production processes or herds management.

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