



# FSNS<sup>®</sup>

Food Safety Net Services

## FSNS is now offering...

### IR Biotyper<sup>®</sup> by Bruker – Microbial strain typing for real-time quality control and source tracking

The IR Biotyper<sup>®</sup> provides a comprehensive approach for relevant and cost-effective hygiene control by allowing real-time monitoring and source-tracking while still aligning with your routine testing requirements.

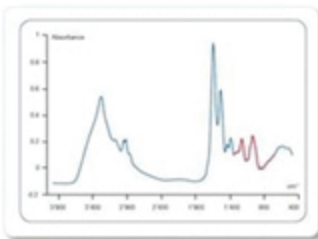
Routine fingerprinting of collected microbial isolates assists with:

- Compares strains
- Monitoring contamination
- Proactive root cause analysis
- Corrective actions in the cleaning process management

The IR Biotyper<sup>®</sup> is a quicker and more cost-effective alternative to Whole Genome Sequencing

#### The principle

IR Biotyper is a Fourier Transform Infrared (FT-IR) Spectroscopy system analysing the molecular vibrations of carbohydrate constituents present in many molecules such as glycoproteins. This FT-IR spectrum is like a fingerprint allowing the classification of microorganisms with comprehensive bioinformatic analysis.



The IR Biotyper analyses IR spectra in the wavelength range typical for carbohydrates, as indicated by the colored spectrum area. Spectra are then analysed further for microbial source characterisation.



Clear result reports are provided, applying visualization tools such as dendrogram and distance matrix.

For more information on this new service offering from FSNS, please contact :

- FSNS Lab<sup>+</sup> team,  
[FSNS-SA-SpecialProjects@fsns.com](mailto:FSNS-SA-SpecialProjects@fsns.com)
- You may also contact your local FSNS Business Development Manager



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LAB<sup>+</sup>