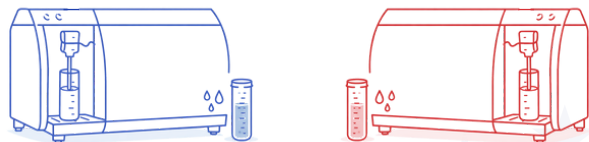
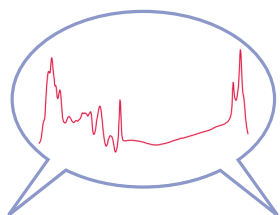


Who are we?

Founded in 2015, EMR is a **European Economic Interest Group** (EEIG) born from the Interreg NWE **OptiMIR** project.

OptiMIR brought together European milk recording organisations with a shared goal: produce **common FT-MIR prediction models**. While each partner generated valuable spectral data, differences in laboratory equipment and spectrometers made data sharing impossible without considering a first step of standardisation of the spectral data.



This standardisation has made it possible to build a large **transnational database**, now used to develop innovative tools that improve farm management across Europe.

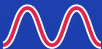
EMR in numbers



13 members
in 7 countries



+70.000
dairy farms

+100 
FT-MIR spectrometers

Contact us

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Bringing Solutions
for New Traits
from Milk Spectral Data



SCAN ME

www.milkrecording.eu

Standardisation of MIR spectral data

between laboratories and analyser brands for robust FT-MIR prediction models

How does it work?

Reception of 5 ring test samples every month



Analysis on your FT-MIR spectrometer



Transmission of spectral data to EMR



Download of standardisation coefficients



Standardisation of spectra



Prediction of several biomarkers

Optional

Also included

- Licence to use the standardisation equation
- Possibility to standardise spectral data at home
- Access to statistics and performance of the standardisation on your instruments

3 300€
per analyser per year

MIR-based predictions

of innovative biomarkers directly from raw spectra



How does it work?

- You upload a file with **raw spectral data** coming from the FT-MIR apparatus
- We **standardise** them and calculate the MIR-based **predictions**
- You download your **results file**



We update the equations on a regular basis to provide the most up-to-date and robust predictions.

Available predictions

Fixed pack: 4 milk biomarkers

Acetone

BHB

Citrate

NAGase

Build your own: choose 2 predictions to build a pack

Fatty acids

Methane

Lactoferrin

Minerals

standardisation

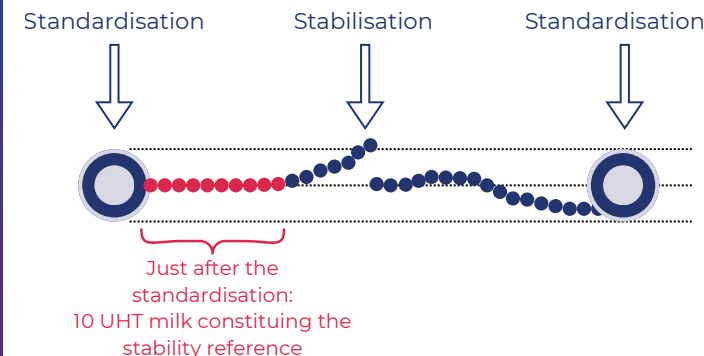
3 300€
per analyser per year

+

330€
per pack per year

Daily check

As analysts can still deviate between two standardisations, we offer you the opportunity to **monitor the stability of each machine** and detect abnormal drifts by using UHT milk.



Included with the standardisation