



DAIRY PRODUCTS SERVICES

**Because you care
about CONSUMERS' HEALTH**

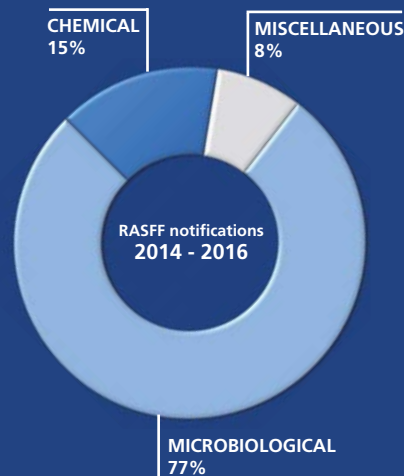


Total world **milk production** stands at over **815 billion litres** and Europe is one of the largest cow's milk producers.

The global dairy market is expected to continue to grow by **1.8% per annum** in the next 10 years.

Milk poses serious challenges on the food safety front: **190 RASFF notifications** were reported in the past 2 years.

Mérieux NutriSciences is a reliable partner for dairy companies, offering high-quality, dedicated services throughout the food chain to meet the dairy market needs.



Analytical services

Microbiological analyses: accredited qualitative and quantitative analyses of pathogens and quality indicators according to legislation and product characteristics (*Salmonella spp*, *Listeria monocytogenes*, *Listeria spp*, *Pseudomonas spp*, etc.).

Contaminants and residues: toxins, heavy metals (As, Cd, Hg, Ni, etc.), radioactivity, dioxins (PCDD/PCDF, high resolution dioxin-like PCBs and non-dioxin-like PCBs), IPA, melamine, free MCPDs, MCPD-esters/GE, MOSH/MOAH, quaternary ammonium salts, etc.).

Veterinary drugs: multi-screening and single analyses of pharmacological active substances (Reg. EU 37/2010: antibiotics, hormones, etc.).

Pesticides: single and multi-screening analyses (method UNI EN 15662:2009) according to Reg. EC 396/2005.

Nutritional analyses: complete and extended nutritional information, health claims, export (USA/Canada, Gulf Countries, etc.).

Quality indicators: degradation markers (oxidation, triglycerides profile, pH, etc.), heat treatment and quality markers (peroxidase, alkaline phosphatase, lactulose, etc.), full range of additives (colors, sweeteners, preservatives), etc.

DNA testing: detection of dairy product origin (buffalo, goat, sheep, cow), identification of transgenic DNA (GMOs testing).

Allergens: accredited tests on allergens listed in EU Reg. 1169/2011; lactose detection for nutritional claim validation (*lactose-reduced* and *lactose-free products*).

Dedicated technical assistance

Our Customer Care is a qualified team of dedicated professionals providing customers with timely, high-level technical support and consulting services on **suitable analytical protocols** and **sampling procedures**.

On site pickup

Mérieux NutriSciences offers an efficient pick-up service to dairy companies. The dedicated staff for **sampling and field activities** is regularly trained in compliance with current sampling regulations.

Dedicated testing profiles

The dairy sector includes food matrices with different characteristics requiring specific analyses. Mérieux NutriSciences offers complete and dedicated analytical profiles for every dairy matrix specifically to assess quality, composition, safety, etc.

- Milk
- Yoghurt and fermented milk
- Butter
- Cream
- Cheese and PDO Cheese
- Baby food
- Etc.





Food Science Center

Shelf-life: tailor-made projects to test actual product stability according to a full range of analytical parameters (microbiological, organoleptic, physico-chemical, susceptibility to thermal shock, "zero point" tests, challenge tests and PAO evaluation).

Food fraud and authenticity: targeted and non-targeted multi-screening analyses to assess possible adulterations of dairy products; e.g. authenticity of PDO Parmigiano Reggiano, etc.

Problem solving and management of customized projects: evaluation of the possible origin of defects and design of possible solutions (presence of microorganisms, foreign odors, particles, etc.); tailor-made approaches and solutions.



Sensory & Marketing Research

Sensory Analysis: identification of the ideal organoleptic characteristics, building up of a sensory/standard profile of a product, quality standardization monitoring, product perception at different points over time, impact of ingredient changes.

Consumer Research: market scenarios and emerging trends, studies on consumers and product-use-satisfaction ratio, testing of ideas/concepts, products, packs and the whole Marketing Mix.



Consulting, Auditing & Training

Food safety and quality management: HACCP self-control systems.

Audits of suppliers.

Technical advice on authorization procedures, layout and structural adjustment, GMPs/GHP/SSOP, risk assessment, etc.

Specific consulting on IFS, BRC, FSSC 22000, ISO 22005, ISO 9001.

Training of technical staff as well as food quality and safety managers.



Labeling & Regulatory Services

Label creation and check (more than 60 countries).

Product and claim **conformity**.

Regulatory consulting.

Regulatory update services (more than 70 countries).



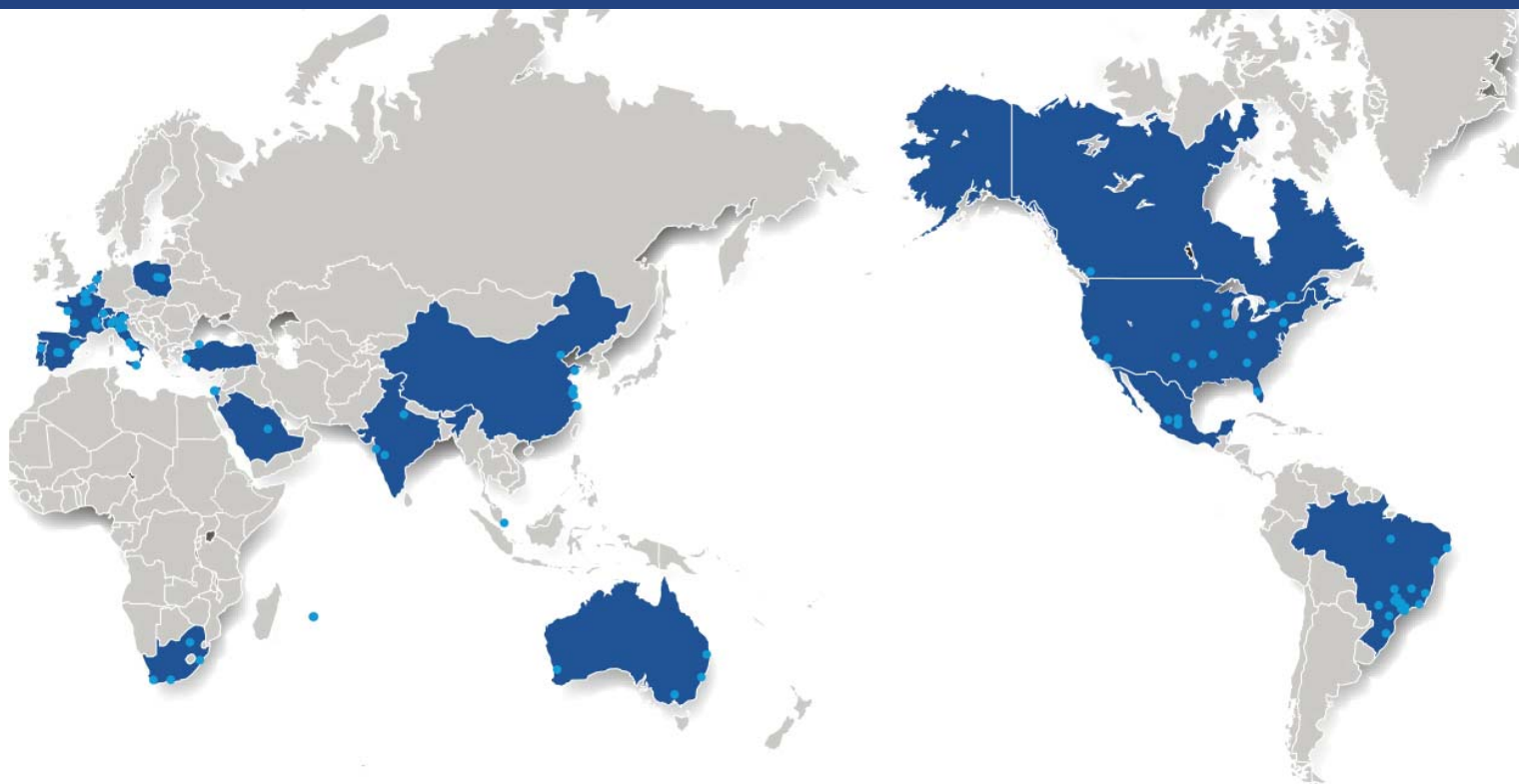
Additional services to dairy companies

Feed analyses: full range of analytical services and dedicated technical assistance for feed, silage, forages, etc.

Food Contact material: specialized testing services to check packaging safety and suitability, such as specific risk assessment, migration tests, screening/set-off analysis, NIAS determination, etc.

Environmental monitoring for dairy production plants: process and waste waters, waste, stack emissions, indoor and outdoor air quality, swabs.

Why choosing Mériex NutriSciences?



- **Food expertise:** Mériex NutriSciences is dedicated to improving food safety and quality through nutritional research, scientific excellence and innovation at every step of the food supply chain. We are a strategic partner for key players in the food industry by providing cost effective and comprehensive solutions to ensure that products meet the highest level of safety and quality.
- **Recognition:** Mériex NutriSciences provides clients with the gold standard in testing in its fully accredited, ISO 17025 certified laboratories.
- **Worldwide presence:** with close to 100 laboratories in 21 countries, Mériex NutriSciences works as a trusted partner on a global basis. Our clients benefit from an international network, serving clients throughout the global food chain with a strong presence in Europe.
- **The Mériex legacy:** Mériex NutriSciences benefits from the solid scientific legitimacy of Institut Mériex, an independent, family owned group with Pasteurian tradition since 1897. Institut Mériex is committing its experience in industrial biology to serve medicine and public health across the globe.

Mériex NutriSciences offers its scientific excellence in testing and consulting to ensure safety and quality of life for everyone's health.

Mériex NutriSciences

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