

Advancing food sciences,
IMPROVING HEALTH



From food safety to nutrition and health...

Food safety and nutrition are major public health concerns. In many countries, these topics now form an integral part of health policies. By 2050, nine billion people throughout the world will need access to healthy food, magnifying the importance of this prevalent issue.

At the same time, companies involved at the various stages of the food supply chain are adapting to the challenges of globalization and the increasing complexity of their activities within a constantly-evolving regulatory framework.

Pathogenic bacteria must be identified swiftly and reliably, while residual quantities of pesticides and

antibiotics must be kept to a minimum. A number of scientific studies have established links between nutrition and health, fostering the development of "nutraceuticals." Finally, at the crossroads of nutrition and health, recent work on the human metagenome is paving the way for new avenues of exploration in research and medicine. For example, by sequencing the intestinal metagenome, it may be possible to identify biomarkers indicating a person's state of health. In the near future, functional foods may allow altering microbiota in order to prevent disease, improve medical treatment and offer health benefits.



By leveraging the experience and scientific expertise of our family company, Institut Mérieux, we intend to introduce a medical dimension into all our activities and develop a new approach to research in nutrition, where consumers and patients are our primary focus.

Alexandre Mérieux
Institut Mérieux Vice-President

The scientific know-how of Mérieux NutriSciences' different activities enables us to significantly enlarge our new food development R&D services and be the leading partner to research teams in the food industry.

Dr. Russ Flowers
Mérieux NutriSciences Chairman of the board and Chief Scientific Officer

Our aim is to make Mérieux NutriSciences the food industry's leading partner in improving food safety, nutrition and public health throughout the world.

Philippe Sans
Mérieux NutriSciences President and Chief Executive Officer



Compelling strengths

Our competitive advantages to fulfill our mission:

- We are supported by our reference shareholder, Institut Mérieux, giving us access to its network and scientific and medical expertise;
- We specialize in the food sector and possess a thorough understanding of specific industry requirements;
- We have innovation potential, with 50 people devoted to R&D, internationally renowned researchers and interaction with Institut Mérieux's teams;
- We have an international development strategy with a presence in 16 countries;
- Our services are standardized, guaranteeing our international customers the same level of quality throughout the world;
- We achieve synergies by pooling the expertise of the multidisciplinary and multicultural teams at Silliker, Biofortis and Bioagri.



Three complementary services



Food safety and quality

- Food safety and quality analyses in an international network of accredited laboratories
- Audits on the quality of manufacturing processes
- Consulting
- Sensory evaluation of products sold in retail stores
- Training
- Scientific, regulatory and technical expertise



3 R&D centers
(Contract Research Organization)
in the United States, France and Brazil

62 accredited laboratories

4,000 employees
worldwide

Market leader in France
the United States and Latin America

Present in 16 countries,
with strong development in Asia
(India and China) and Latin America

Services in support of food safety, nutrition and health



Contract Research Organization (CRO), expert in nutrition

- Clinical and usage studies in the field of nutrition
- Research & Development for new products, processes, ingredients, claims
- Molecular biology analyses
- Expert analyses of products' health benefits
- Scientific Sensory Testing (Adriant®)
- Partner in MetaHIT, the international R&D program on metagenomics



Contract Research Organization (CRO), expert in agronomy/environment

- Leading laboratory in Latin America for environment, agrochemical / chemical safety, food and pharmaceutical analysis
- Analytical, physico-chemical, toxicological and ecotoxicological studies (European REACH Regulation, Cosmetic Directive, Biocides, others...)
 - Chemical and microbiological analysis of food raw materials
 - Environmental analysis (water, soil, air)
 - Approval of plant protection products



A medical vision in support of nutrition

With the creation of Mérieux NutriSciences, Institut Mérieux has reinforced its efforts towards world public health by giving nutrition a priority status. Mérieux NutriSciences will benefit from the scientific and medical expertise of Institut Mérieux, a world renowned bio-industrial group, and Silliker's know-how in food safety and nutrition.

Mérieux NutriSciences comprises **three complementary divisions** that together include the entire food supply chain:

- **Food safety through Silliker**
- **Research and development on nutrition carried out by Biofortis**
- **Quality of the environment / agronomy by Bioagri**



Accordingly, Mérieux NutriSciences can address all concerns affecting the agri-food industry: guaranteeing the quality of raw materials and their environment, of food processing activities and ultimately, of the foods consumers buy. In this way, the group contributes to developing food products that offer real health benefits.

PUBLIC HEALTH ISSUES

- Clinical and usage studies in the field of nutrition
- More than 200 diseases are transmitted by food, affecting 30% of the world's population each year
- Every year, more than 3 million people die from consuming contaminated food
- A poor diet plays a part in 30% of cancers, diabetes and cardiovascular diseases, and causes obesity and other related conditions
- Obesity is responsible for 8% of health costs in Europe
- Two-thirds of overweight people live in developing countries
- Intestinal flora, probiotics, aging population, infant food fortification

Mérieux NutriSciences Corporation
111 E. Wacker Dr., Suite 2300
Chicago, IL 60601, USA
Tel. + 1 312 938 5151 / Fax: + 1 312 729 1320
www.merieuxnutrisciences.com

