



International Dairy Federation

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HEALTH-ENHANCING MILK COMPONENTS : TECHNOLOGICAL ADVANCES AND HEALTH BENEFITS

A new Bulletin of IDF

Brussels, 25 April 2007- This IDF publication provides insights into the latest and emerging scientific knowledge about the characteristics of major and minor bioactive component groups occurring naturally in milk, focusing on components with positive health attributes. Novel technologies for extraction of bioactive components from milk and product innovations based on these components are also presented.

The rapid scientific progress in the knowledge of milk bioactives has put a lot of pressure on the development of appropriate technologies for recovery, fractionation and application of such components in active form. To this effect, membrane separation processes have been developed and applied successfully to industrial scale. "Technological innovations to leverage nutritional/health benefits derived from milk and its natural bioactive components are of utmost importance. Innovations in appropriate technologies and product concepts derived from these developments open up new opportunities for the dairy sector. Also, bioactive milk ingredients expand markets to new specialized bio-industries, including pharmaceuticals" said Christian Robert, IDF Director General.

Beneficial health effects of many milk or colostrum-derived bioactive components have been demonstrated in animal model studies and clinical trials in humans. Examples of documented health benefits delivered through such value-added products are also given in this IDF Bulletin. "Research-based evidence on the health-promoting effects of milk components is accumulating at a high speed. This rapid development has laid the basis for use of bioactive milk components as ingredients for functional dairy products. Milk and colostrum as providers of bioactive components for human use excel all other food raw materials." added Christian Robert.

"Health-enhancing Milk Components: Technological Advances and Health Benefits", Extended abstracts of the conference held at the IDF World Dairy Congress in Shanghai, China, October 2006, is the new Bulletin of IDF n° 413/2007. It can be ordered in electronic form via the IDF website at [http: www.fil-idf.org](http://www.fil-idf.org)

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Note to editors:

"Founded in 1903, The International Dairy Federation represents the dairy sector worldwide by providing the best global source of scientific expertise and knowledge in support of the development and promotion of quality milk and dairy products to deliver consumers with nutrition, health and well-being."