



Bioluence®

Bioluence Products in Probiotics Industry



**Probiotics
Industry**



**Engineering Nature for a
Brighter Future**



**Probiotics
Industry**



Bioluence®

Engineering Nature for a Brighter Future

Bonda Faravar Company, operating under the brand name Bioluence, stands as the sole enzyme manufacturer in Iran and the largest production facility of its kind in the Middle East. Additionally, Bioluence is the leading probiotics manufacturer in the region, boasting an expansive production area of 8,000 square meters. This space is divided into two dedicated units for enzyme and probiotics production, complemented by 1,700 square meters of state-of-the-art clean rooms located in Safadasht Industrial Town.

Supported by a dedicated research and development team, strategic collaborations with experienced domestic and international consultants, and a workforce of over 300 highly skilled professionals across various disciplines, Bioluence has successfully delivered high-quality enzyme and probiotics products to meet the diverse needs of multiple industries; including but not limited to: detergents, food and dairy, meat processing, flour and bakery, feed for livestock and poultry, alcohol and starch production, as well as leather and textiles.

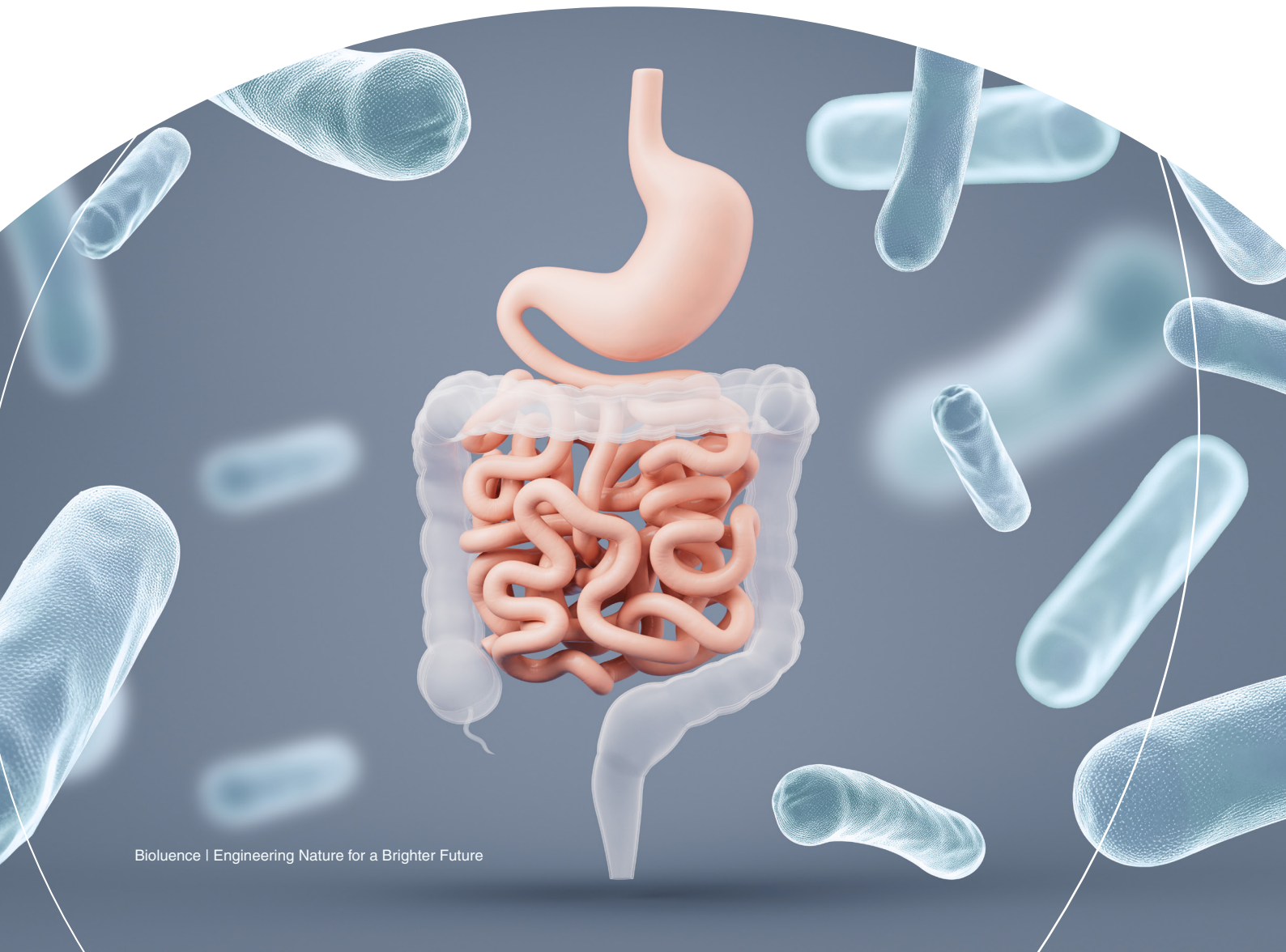


| What are Probiotics?

Probiotics are products that contain live microorganisms which, when consumed in sufficient amounts, provide health benefits. These products help maintain and restore gut microbiota, improve digestion, and modulate the immune system. Research has also shown that these microorganisms can influence the nervous system, impacting the brain and behavior, and helping to alleviate related conditions such as depression, stress, and more.

Probiotic products are consumed in the following areas:

- Human supplements
- Dairy products
- Cosmetic and personal care products
- Animal feed (for livestock, poultry, bees, aquatic animals, pets, etc.)

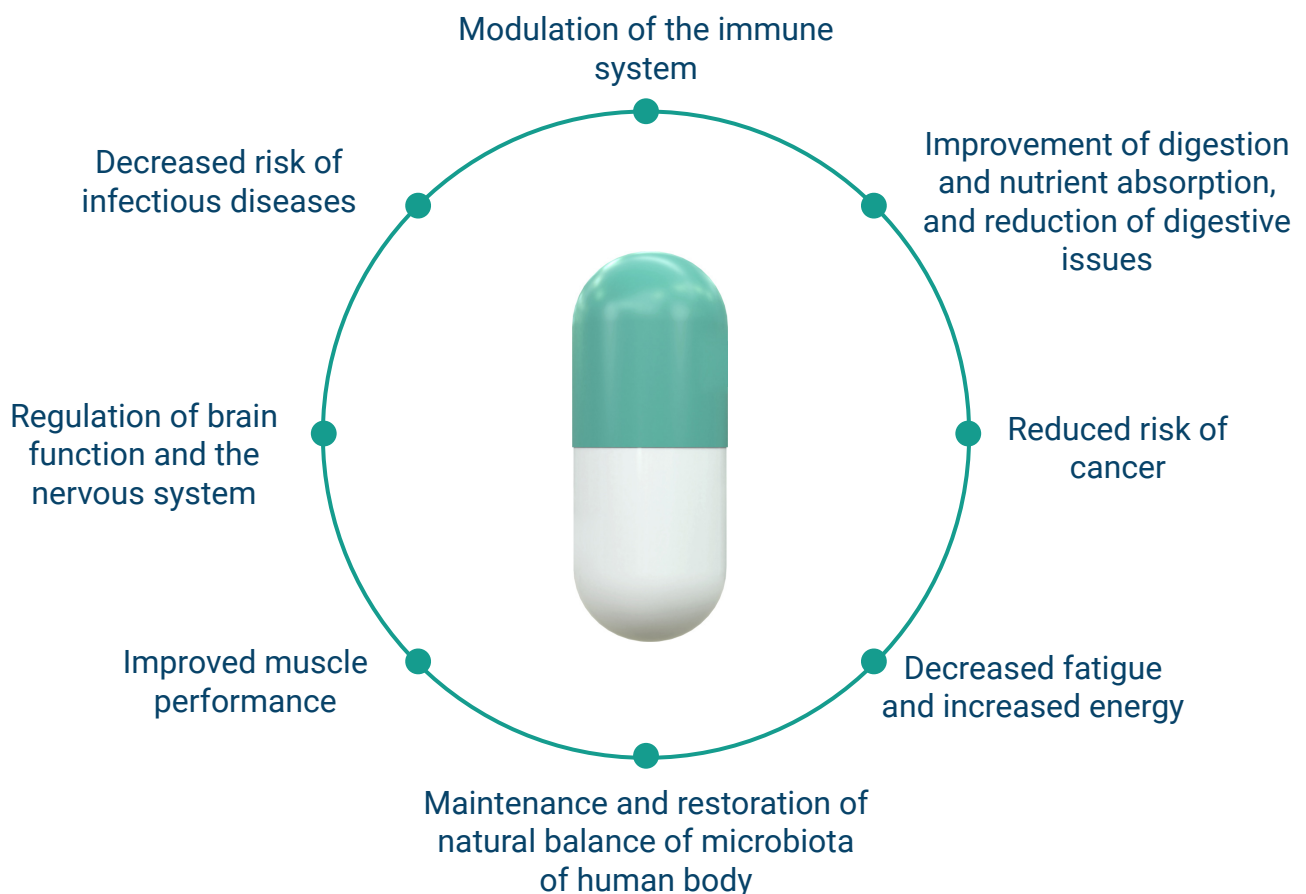




Probiotics in Human Supplements

With increase in awareness regarding probiotics role in improving human health and probiotic products rising consumption, pharmaceutical companies have turned towards producing human probiotic supplements. By creating a variety of products, they aim to capture a larger share of this growing market.

Benefits of Using Probiotics in Human Supplements:



Probiotics in Dairy Industry

In recent years, the focus on gut health and importance of beneficial bacteria in body have led to a significant increase in consumption of probiotic dairy products all over the world. Products such as yogurt, doogh (a traditional yogurt drink), cheese, and the like, are experiencing a growing market.

The Benefits of Using Probiotic Dairy Products:

- Enhancing digestive health by improving microbial balance in human gut and reducing digestive issues
- Reducing problems related to lactose intolerance
- Modulating the immune system by increasing resistance to diseases and reducing symptoms of food allergies





Probiotics in Cosmetics and Personal Care Industry

Probiotics have recently gained attention as one of the important and effective ingredients in cosmetic and personal care products. These compounds have multiple benefits for skin health and are widely used in various formulations of cosmetic and personal care products. The benefits of using probiotics in skincare products include:

- Making the skin barrier more strong and preventing the penetration of pathogens
- Reducing inflammation and skin sensitivity
- Alleviating itching and redness of the skin
- Decreasing the appearance of wrinkles, and enhancing skin firmness
- Increasing collagen and elastin production
- Skin brightening properties
- Reducing the risk of skin cancer by eliminating free radicals caused by exposure to ultraviolet radiation

Probiotics in Animal Feed Industry

The use of probiotics in nutrition of ruminants, poultry, aquaculture, and honeybees leads to increased production efficiency and reduced need for antibiotics and other chemical drugs. These products significantly enhance production efficiency by lowering feed conversion ratio (FCR), producing digestive enzymes, and strengthening the immune system. Furthermore, by improving immune function, they can replace the use of growth-promoting antibiotics, thus reducing the possibility of development of antibiotic-resistant bacteria.

Benefits of Collaborating with Bioluence



Certifications



Contract Manufacturing with Bioluence

Bioluence, a manufacturer of various enzymes and probiotics as raw materials for different industries, possesses highly equipped production lines that enable the company to collaborate on a "contract manufacturing" basis with clients wishing to produce customized products with their specific formulations, labels, and brand names.

Benefits of collaboration with Bioluence:

- Production with official approval from Iran Food and Drug Organization
- Manufacturing based on GMP standards
- Separate lines for producing products in sachet, liquid, and capsule forms
- Ability to conduct QC and IPQC tests
- Capability to register brands and obtain necessary licenses
- Cost-effective
- Support from professional R&D team



Bioluence Active Probiotics

 <i>Lactobacillus rhamnosus</i> BF-P-062	 <i>Lactobacillus fermentum</i> BF-P-024
 <i>Lactobacillus reuteri</i> BF-P-057	 <i>Lactobacillus buchneri</i> BF-P-069
 <i>Lactobacillus plantarum</i> BF-P-052	 <i>Lactobacillus helveticus</i> BF-P-066
 <i>Lactobacillus paracasei</i> BF-P-063	 <i>Bifidobacterium longum</i> BF-P-320
 <i>Lactobacillus casei</i> BF-P-028	 <i>Bifidobacterium lactis</i> BF-P-131
 <i>Lactobacillus brevis</i> BF-L-157	 <i>Bifidobacterium bifidum</i> BF-P-324
 <i>Lactobacillus salivarius</i> BF-P-167	 <i>Pediococcus acidilactici</i> BF-P-004
 <i>Lactobacillus acidophilus</i> BF-L-162	



**Probiotics
Industry**



Bioluence



Probiotics Industry

www.bioluence.com

Headquarters: Bonda Faravar Company (Bioluence), Fajr Complex, East Hashemi Rafsanjani Hwy., Tehran, Iran.
Postal Code: 1996819560 Phone: +982188218660

Factory: No. 109, 2nd west St., Farvardin Blvd., Safadasht Industrial Zone, Tehran, Iran. Postal Code: 3164116947
Tel: +982165422486-89 Fax: +982165422490