

Proven, proprietary protection



Probi BIO-tract®

The unique extended-release technology of Probi BIO-*tract* offers protection from harsh stomach conditions, shielding live microorganisms and other beneficial compounds from gastric acid and enabling optimized, timed-release delivery along the digestive tract.

This innovative technology is comprised of a matrix that gradually forms an outer gel as the tablet travels through the gastrointestinal tract, allowing for the release of active substances as the matrix hydrates and erodes. BIO-*tract* improves the stability and protection of active ingredients and probiotics, so they can be delivered along the gastrointestinal tract.

NUTRIENTS COMPATIBLE WITH BIO-tract DELIVERY

- Amino Acids
- Beta-alanine
- B vitamins
- ZMA
- Melatonin
- Niacin
- Glucosamme/
- Vitamin C
- ondroitin/MSM
- Flectrolytes
- * These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

BIO-tract ADVANTAGES*

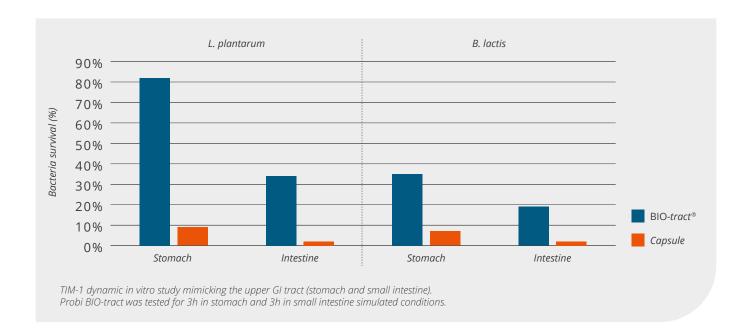
- Unique, proprietary delivery system
- Consistent, timed release of probiotics and other nutrients
- Ideal for ingredients that may be denatured by stomach acids or cause stomach upset
- Formulation and format flexibility

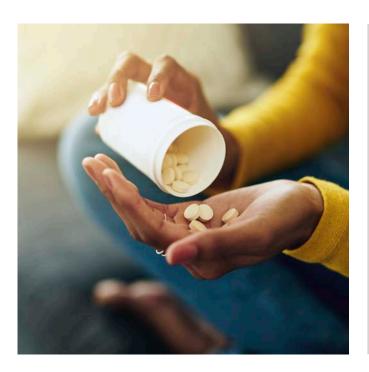




Probi BIO-tract® - Significantly increased bacterial survivability

The survival of probiotic bacteria in a tablet with BIO-tract compared with a standard capsule has been evaluated using the TIM-1 dynamic *in vitro* model. This validated model mimics the function of the upper GI tract (the stomach and the small intestine). The evaluation was performed for two different species of bacteria, *L. plantarum* and *B. lactis*, and the results show a clear and significant increase in bacterial survivability for the BIO-tract tablets in comparison with vegetable capsules.





FACTS IN BRIEF

- Customized formulations
 - Probiotics: Single or multi-strain blends
 - Selected excipients and other ingredients including prebiotics
- Finished product bulk or fully bottled
 - Tablets oblong, oval or round
 - Spheres 6, 8, and 10 mm
- All BIO-tract products are produced in Probi®'s NSF and NSF Certified for Sport® manufacturing facility
- BIO-tract components are non-GMO, Kosher, Halal, and GRAS

Because local laws and regulations related to the distribution, marketing and sale of ingredients and finished products vary, Probi disclaims any regulatory compliance, warranties, product guidance or instruction of any kind. This paper is provided for business-to-business communication and educational purposes only without warranties of any kind. Users should seek legal and/or regulatory advice prior to the market introduction of any Probi strain and before use of any claims to ensure compliance and thereafter on an ongoing basis when required.

Probi BIO-tract \$ is a registered trademark of Probi \$.

