



# 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.

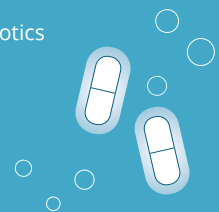
This innovative technology is comprised of a matrix that gradually forms an outer gel as the tablet travels through the gastrointestinal tract, allowing for the release of active substances as the matrix hydrates and erodes. BIO-tract improves the stability and protection of active ingredients and probiotics,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

### NUTRIENTS COMPATIBLE WITH BIO-tract DELIVERY

- Amino Acids
- B vitamins
- Melatonin
- Glucosamine/  
Chondroitin/MSM
- Beta-alanine
- ZMA
- Niacin
- Vitamin C
- Electrolytes

### BIO-tract ADVANTAGES\*

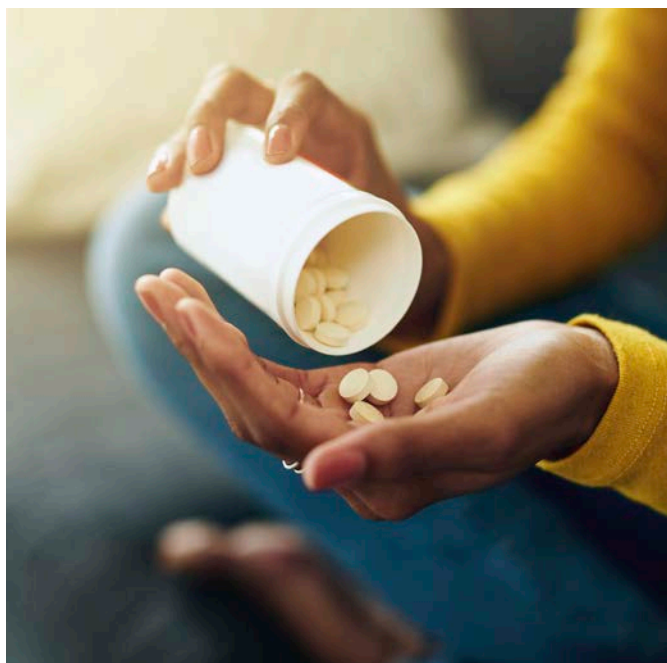
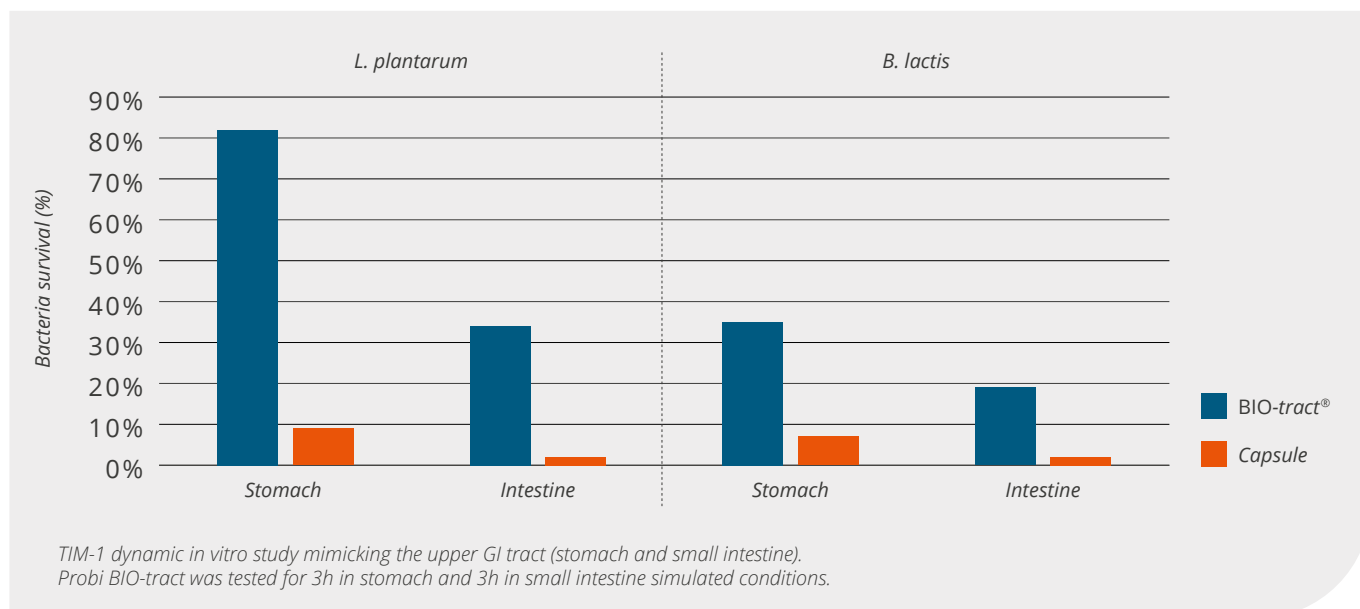
- Unique, proprietary delivery system
- Consistent, timed release of probiotics and other nutrients
- Ideal for ingredients that may be denatured by stomach acids or cause stomach upset
- Formulation and format flexibility



\* 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.

## 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