

# Probiotics for Powder applications



Milk powder, protein powder, powder in stick packs and other convenient formats are widely spread all over the world and offer ideal product applications for probiotics. Probi's well documented and robust strains allow you to develop attractive, healthy and functional powder products that differ from your competitors'. Whether you want to develop a new, unique product line or reformulate and relaunch an existing line, Probi has a wide range of probiotics to offer.

## A solution for every application

There is a range of opportunities within powder applications where probiotics can provide you with a competitive edge. From traditional milk powder and follow-on formula to powder products within the sports nutrition segment. An additional segment is probiotic single serve food or food supplements in powder format such as probiotic powdered beverages, probiotic powder in mouth or unflavored probiotic powders.

### Suitable product applications and probiotic dosage levels

|         | PROBI PRODUCT          | DOSE PER SERVING     | POWDERED SINGLE PACK                    | FOLLOW ON FORMULA                        | SPORTS NUTRITION                         |
|---------|------------------------|----------------------|---|--|--|
| PREMIUM |                        |                      | (2 Gram/serving)<br>Batch size: 2000 kg | (25 Gram/serving)<br>Batch size: 5000 kg | (30 Gram/serving)<br>Batch size: 5000 kg |
|         | Probi Digestis®        | 10 <sup>10</sup> CFU | 100000 x 10 <sup>11</sup>               | 20000 x 10 <sup>11</sup>                 | 17000 x 10 <sup>11</sup>                 |
|         | Probi Defendum®        | 10 <sup>9</sup> CFU  | 10000 x 10 <sup>11</sup>                | 2000 x 10 <sup>11</sup>                  | 1700 x 10 <sup>11</sup>                  |
| SELECT  | Probi FerroSorb®       | 10 <sup>10</sup> CFU | 100000 x 10 <sup>11</sup>               | 20000 x 10 <sup>11</sup>                 | 17000 x 10 <sup>11</sup>                 |
|         | Probi® Rhamnosus LB21  | 10 <sup>9</sup> CFU  | 10000 x 10 <sup>11</sup>                | 2000 x 10 <sup>11</sup>                  | 1700 x 10 <sup>11</sup>                  |
|         | Probi® Plantarum 6595  | 10 <sup>9</sup> CFU  | 10000 x 10 <sup>11</sup>                | 2000 x 10 <sup>11</sup>                  | 1700 x 10 <sup>11</sup>                  |
|         | Probi® Paracasei 13434 | 10 <sup>9</sup> CFU  | 10000 x 10 <sup>11</sup>                | 2000 x 10 <sup>11</sup>                  | 1700 x 10 <sup>11</sup>                  |
|         | Probi® Rhamnosus 6594  | 10 <sup>9</sup> CFU  | 10000 x 10 <sup>11</sup>                | 2000 x 10 <sup>11</sup>                  | 1700 x 10 <sup>11</sup>                  |

The probiotic dosage level is an indication and will depend on final product formulation, shelf life requirements, distribution temperature and processing conditions.

## Probi expertise

To obtain all the advantages the probiotic bacteria can give you it is necessary to keep the probiotics alive during the product's shelf life. For a powder product with probiotics the shelf life is 18–24 months depending on water activity, packaging material and storage temperature. Probi has over 25 years' experience working with probiotic food and powder applications and this expertise is at your disposal when developing your own probiotic formulations.



## Documented and proven

Probi's products are clinically documented, patented and already commercialized with proven safety. They are allergen-free, non-GMO, halal, kosher and suitable for vegetarian products as well as organic products.

### A wide range of products suitable for powder products

|                            | PROBI PRODUCT          | STRAIN  | HEALTH AREAS    | RECOMMENDED DAILY DOSE | CELL COUNT (CFU/GRAM) |
|----------------------------|------------------------|---|-----------------|------------------------|-----------------------|
| <b>Freeze Dried Powder</b> |                        |   |                 |                        |                       |
| PREMIUM                    | Probi Digestis®        | <i>Lactobacillus plantarum</i> 299v   | Gastro          | 10 <sup>10</sup> CFU   | 500 x 10 <sup>9</sup> |
|                            | Probi Defendum®        | <i>Lactobacillus plantarum</i> HEAL9 and<br><i>Lactobacillus paracasei</i> 8700:2 | Immune          | 10 <sup>9</sup> CFU    | 200 x 10 <sup>9</sup> |
|                            | Probi FerroSorb®       | <i>Lactobacillus plantarum</i> 299v + Iron  | Iron Absorption | 10 <sup>10</sup> CFU   | 500 x 10 <sup>9</sup> |
| SELECT                     | Probi® Rhamnosus LB21  | <i>Lactobacillus rhamnosus</i> LB21   | Gastro & Immune | 10 <sup>9</sup> CFU    | 100 x 10 <sup>9</sup> |
|                            | Probi® Plantarum 6595  | <i>Lactobacillus plantarum</i> 6595   | Gastro & Immune | 10 <sup>9</sup> CFU    | 200 x 10 <sup>9</sup> |
|                            | Probi® Paracasei 13434 | <i>Lactobacillus paracasei</i> 13434  | Immune          | 10 <sup>9</sup> CFU    | 200 x 10 <sup>9</sup> |
|                            | Probi® Rhamnosus 6594  | <i>Lactobacillus rhamnosus</i> 6594   | Gastro & Immune | 10 <sup>9</sup> CFU    | 200 x 10 <sup>9</sup> |

Please contact Probi for further information:

Probi AB, Lund, Sweden

Probi USA Inc., Redmond, WA, USA

Probi APAC Ltd, Singapore

probi@probi.com | www.probi.com

