

800.827.9529  
www.desbio.com

## BIOPRO30™ probiotic supplement

### Why BioPro 30?

Supporting your intake of friendly bacteria is one of the most important things you can do for your health. The probiotic strains in **BioPro 30** were specifically selected based on their positive effects on digestive function, immune system health, and balance of healthy intestinal flora.

### Superior Stability and Absorption

Did you know that the survival rate of probiotic organisms in most supplements can be less than 10%? Many probiotics are sensitive and require constant refrigeration to remain viable. Even if these sensitive organisms do survive in the bottle, they are often destroyed by the harsh acidic environment of the stomach when ingested, never making it to the intestinal tract. The probiotic strains in **BioPro 30** were specifically selected based on their durability and survival in a wide variety of conditions and temperatures. This shelf-stable formula helps guarantee they will retain their potency when stored at room temperature.

In addition, **BioPro 30** uses an advanced DR acid-resistant capsule, the latest in probiotic encapsulation technology, which helps protect these sensitive organisms from gastric acids so they are able to reach the intestinal tract and flourish.

**Lactobacillus acidophilus** – Found naturally in the human mouth and digestive tract, this “staple” probiotic has numerous known functions on supporting human health. *L. acidophilus* assists in the breakdown of food in the digestive tract, producing lactic acid and hydrogen peroxide that create an acidic, unfriendly environment for harmful organisms. Intake of *L. acidophilus* may promote a favorable environment in the human intestinal tract and reproductive systems by helping prevent the proliferation of *candida* and other unfriendly microbes.<sup>1</sup> *L. acidophilus* also produces the enzyme lactase and may support digestion of dairy products in patients intolerant to lactose.<sup>2</sup>

**Bifidobacterium lactis** – A powerful, transient probiotic strain, *B. lactis* has been shown to be beneficial in both digestive and immune function. *B. lactis* may help increase resistance to colds and flus as well as support control of upper respiratory allergies.<sup>3</sup>

**Bifidobacterium breve** – This non-motile bacteria promotes a favorable intestinal environment due to its unique ability to



compete with other pathogenic organisms like *Candida* and *E. coli*. *B. breve* is a champion among probiotic strains at breaking down many types of challenging foods, even certain plant fibers considered to be non-digestible. *B. breve* supplementation is showing to be an effective means for controlling symptoms of gastrointestinal and digestive disturbances.<sup>4</sup>

**Lactobacillus casei** – This health-promoting strain helps diminish the proliferation of harmful microbes by both competing for resources and secreting lactic acid to lower the

### Supplement Facts

Serving Size: 1 Capsule  
Servings Per Container: 30

Amount per Serving	% DV†
<b>Probiotic Blend</b>	
Lactobacillus acidophilus (Ia-14)	14 Bil ‡
Bifidobacterium lactis (BI-04)	9 Bil ‡
Bifidobacterium breve (Bb-03)	5 Bil ‡
Lactobacillus casei (Lc-11)	1 Bil ‡
Lactobacillus plantarum (Lb-115)	1 Bil ‡

†Percent daily values (%DV) are based on a 2,000 calorie diet. ‡Percent daily values not established.

**OTHER INGREDIENTS:** microcrystalline cellulose, vegetable capsule (HPMC water), magnesium stearate, silicon dioxide

**Suggested Use:** As a dietary supplement, take one capsule per day away from food or as directed by a healthcare professional.

**Warnings:** If pregnant or breastfeeding, consult with your healthcare provider before use.

**Storage:** Does not require refrigeration. For best results keep at stable temperature 75°F and under.



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intestinal pH. *L. casei* has been used in inflammatory bowel disease patients to help control the inflammation caused by pathogenic bacteria.<sup>5</sup>

**Lactobacillus plantarum** – Some of the most interesting research on this probiotic strain is focusing on its benefits for soy-related allergies. In soy-allergic patients supplementing with both fermented and non-fermented soy, *L. plantarum* enabled the greatest reduction in immunoreactivity to soy products.<sup>6</sup> *L. plantarum* has also been shown to help reduce symptoms of gastrointestinal discomfort and help prevent yeast overgrowth with antibiotic use.<sup>7</sup>

<sup>1</sup>Burton JP, Cadieux P, Reid G. Improved understanding of the bacterial vaginal microflora of women before and after probiotic instillation. *Applied Environmental Microbiology*. 2003 Jan;69(1):97-101.

<sup>2</sup>Savaiano DA, AbouElAnouar A, Smith DE, Levitt MD. Lactose malabsorption from yogurt, pasteurized yogurt, sweet acidophilus milk, and cultured milk in lactase-deficient individuals. *American Journal of Clinical Nutrition*. 1984 Dec;40(6):1219-23.

<sup>3</sup>Niers LE, Hoekstra MO, Timmerman HM, van Uden NO, de Graaf PM, Smits HH, Kimpfen JL, Rijkers GT. Selection of probiotic bacteria for prevention of allergic diseases: immunomodulation of neonatal dendritic cells. *Clinical & Experimental Immunology*. 2007 Aug;149(2):344-52.

<sup>4</sup>Guarner F, Malagelada JR. Gut flora in health and disease. *Lancet*. 2003 Feb 8;361(9356):512-9.

<sup>5</sup>Llopis M, Antolin M, Carol M, Borruel N, Casellas F, Martinez C, Espin-Basany E, Guarner F, Malagelada JR. Lactobacillus casei downregulates commensals' inflammatory signals in Crohn's disease mucosa. *Inflammatory Bowel Diseases*. 2009 Feb;15(2):275-83.

<sup>6</sup>Frias J, et al. Overcoming Allergic Reactions to Soy. *Journal of Agriculture and Food Chemistry*. 2008.

<sup>7</sup>Hauschildt E. Lactobacillus plantarum 299v Reduces Irritable Bowel Bloating. *American Journal of Clinical Nutrition*. 2001. 73:3805-3855.

## Why DesBio?

For over two decades, DesBio has been committed to providing the best solutions in health. DesBio is an innovative market leader, a trusted, established company that has been delivering cutting-edge homeopathics to practitioners for 20 years. We're excited to bring you info on our tried-and-true formulas as well as our newest products.

### What makes DesBio different?

We sell products only to healthcare practitioners. Our practitioner-only philosophy places you in an optimal position with distinctive and more powerful offerings for your patients.

Our expert formulators build formulas around advanced homeopathic principles with respect to ingredients, dilutions, Burgi groups, and optimized homochords. Our products are formulated and manufactured according to rigorous standards:

- Manufactured in an FDA-registered facility
- Made from highest quality ingredients
- Hand-succused for optimal effectiveness
- Formulated by Bruce Shelton, MD, MD(H), DiHom, FBIH, one of the top homeopathic practitioners in the world
- Registered as FDA-listed products

We have products that you won't find anywhere else. As knowledge about America's top health problems continues to evolve, we update and renew our formulations to reflect these advancements. Our ability to combine cutting-edge approaches with traditional homeopathic remedies is what truly separates us from the competition. We support our practitioners with educational materials such as webinars, clinical decision support algorithms, and e-mail support from specialists in the field.

\*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.



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