

MicroJiva Bone

A Complete Bone Health Supporting Dietary Supplement



Unique Probiotic Formulation



Herbal Prebiotic Support



Supports bone, joint and muscle health*



Maintains balance of healthy bacteria*



Supports normal inflammatory response*



Supports healthy bile metabolism*



Maintains healthy levels of 25-hydroxyvitamin D*



Synbiotic formulation with pre and probiotics*

Consider the role of MicroJiva Bone in your health regime today!

MicroJiva Bone

A Complete Bone Health Supporting Dietary Supplement

WHAT IS MICROJIVA BONE?

MicroJiva Bone is an innovative new line of products that provide a more complete dietary support for optimal, healthy bones. All MicroJiva products and their components have been verified by doctors and optimized to treat specific physiological ailments.

MicroJiva supplements use professional grade and quality ingredients:

- Full recommended daily dose
- Sourced from nature and allergen free
- Bioavailable formats
- From renewable and sustainable sources
- Developed by doctors

WHAT IS IT COMPRISED OF?

MicroJiva Bone provides natural prebiotic fiber, short-chain fructo-oligosaccharides (scFOS) and the probiotic *Lactobacillus plantarum* PV-WCFS1 and other natural, herbal prebiotic-activating supplements full of bone-benefitting mechanisms, which work together to maintain the balance of healthy bacteria in your gut, promote healthy bone and joint function, regulate calcium and vitamin D levels, intestinal barrier function and gut integrity.

Probiotic Blend:

- *L. plantarum* PV-WCFS1
- *L. casei* PV700173
- *B. longum* spp. *infantis* PV702255
- Other Probiotics

Prebiotic Supplement:

- Other Probiotics
- Vitamin D
- Boswellia Serrate
- Omega-3 (DHA and EPA)
- Sc-FOS

WHAT ARE THE BENEFITS?

- ✓ Supports bone, joint and muscle health
- ✓ Maintain healthy levels of bone-supporting vitamins and minerals
- ✓ Promotes gut epithelial barrier integrity and healthy bile metabolism

WHY RECOMMEND MICROJIVA BONE?

Bone health is a significant factor in healthy aging, with low serum 25-hydroxyvitamin D as a risk factor for osteoporosis. The probiotics in MicroJiva Bone have been shown to help support healthy levels of 25-hydroxyvitamin D and calcium, bile acid metabolism, age-related bone deterioration, normal inflammatory response and digestive health (1,2,3,4).

Our patented synbiotic formulation contains a probiotic blend and calcium and vitamin D, which are essential nutrients for proper bone health. The herbal extract, Boswellia Serrate, is also known to have antiosteoporotic activity (5), while omega-3 fatty acids also work to improve bone strength.

HOW IS MICROJIVA BONE USED?

One capsule/sachet of MicroJiva Bone is taken in the morning and evening with food. The daily dose of MicroJiva Bone provides 10 billion CFU of probiotics with 1,200 mg of short-chain fructo-oligosaccharides.

PATENTS AND TRADEMARKS:

This product is proprietary and protected in trademarks and patents.

PATENT NOS: US (16/969,759), Canada (3,091,152), China (201980025301.0), India (202017039445) and internationally (PCT/CA2019/000018).

WHERE IS MICROJIVA BONE MANUFACTURED?

Our High-Quality Manufacturing Facilities



All MicroJiva products are manufactured in USA FDA- and Health Canada-approved facilities in Canada and USA by our production partner, Biena. Our facilities are GMP-certified and produce high-quality probiotic supplements from strain vials to finished products.

Our Production

- ✓ Qualified in-house production, QA, QC and R&D team with over 150 QA checkpoints
- ✓ Complete traceability of lots to ingredient suppliers
- ✓ Production from strain vial to market-ready products

Our Facilities

- ✓ 55,000 sq.ft GMP-certified facility
- ✓ FDA Audited for Dietary Supplements
- ✓ Health Canada site license
- ✓ State-of-the-art equipment
- ✓ Modern facility to ensure cell viability and stability
- ✓ Highly controlled environment

Our Strains

- ✓ Authenticated strains by DNA and by international strain bank
- ✓ Non-GMO Project Certified
- ✓ Vegan and allergen free
- ✓ Health Canada Documented for safety, efficacy and quality
- ✓ Highly active & stable at room temperature

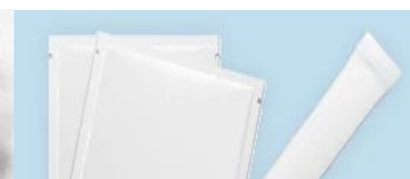
We produce **CUSTOM FORMULATIONS**, tailored to YOUR needs!

- ✓ Production of custom, high-quality probiotics from single bacterium to tons
- ✓ In-house manufacturing at a GMP-certified and approved facility by FDA, Health Canada and other regulatory bodies
- ✓ Unparalleled industry knowledge, expertise and infrastructure
- ✓ From strains to market-ready probiotics for dairy, pharma, animal and other health industries

Stage 1: Strain Production Starting as A Raw Material



Stage 2: Finished Products



Precautions: For adult use only. Keep away from children. Stored in cool dry place.

***Disclaimers:** These statements have not been evaluated by Health Canada or the US FDA. This product is not intended to diagnose, treat, cure, or prevent any disease.

References:

1. Zlatan Mujagic et al (2017) The effects of Lactobacillus plantarum on small intestinal barrier function and mucosal gene transcription; a randomized double-blind placebo controlled trial. *Nature Scientific Report* . 7:40128 .
2. Jones ML, Martoni CJ, Prakash S. Oral supplementation with probiotic L. reuteri NCIMB 30242 increases mean circulating 25-hydroxyvitamin D: a post hoc analysis of a randomized controlled trial. *J Clin Endocrinol Metab*. 2013 Jul;98(7):2944-51.
3. Jones ML, Tomaro-Duchesneau C, Martoni CJ, Prakash S. Cholesterol lowering with bile salt hydrolase-active probiotic bacteria, mechanism of action, clinical evidence, and future direction for heart health applications. *Expert Opinion on Biological Therapy*. 2013;13(5):631-642.
4. Westfall S, Lomis N, Prakash S. Longevity extension in Drosophila through gut-brain communication. *Scientific Reports*. 2018/05/30 2018;8(1):8362.
5. Al-Dhubiab BE, Patel SS, Morsy MA, Duvva H, Nair AB, Deb PK, Shah J. The Beneficial Effect of Boswellic Acid on Bone Metabolism and Possible Mechanisms of Action in Experimental Osteoporosis. *Nutrients*. 2020 Oct 18;12(10):3186.

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Tru ID



GMO Free



Halal



Kosher



Dairy Free



Gluten Free



Soy Free



Vegan