



InterPlexus®

W H O L E B O D Y H E A L T H

IPX-Booster Super Strength™

Postbiotic supplement featuring a unique array of bioactive metabolites

Formulated to support a healthy gut microbiome and balanced immune function*

IPX-Booster Super Strength (SS) is a postbiotic extract with a unique array of over 400 biologically active postbiotic metabolites, including short-chain fatty acids, proteins, peptides, polyphenols, vitamins, minerals, amino acids, nucleic acids, polysaccharides, and other beneficial micronutrients.*

The production of IPX-Booster SS begins with organic non-GMO soybeans and 25 carefully selected strains of lactic acid-producing bacteria, including *Lactobacillus* and *Bifidobacterium* species. IPX-Booster SS is fermented for two years, and the final extract contains numerous beneficial bacterial cultures and a unique array of postbiotic nutrients.*

IPX-Booster SS is a nourishing blend of postbiotic nutrients that may be taken daily to support well-being.*



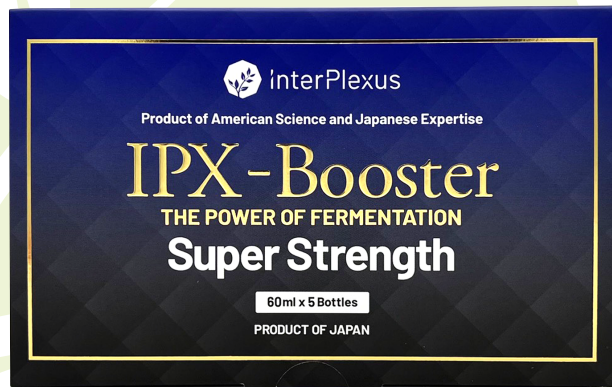
Gluten Free



Non-GMO



Vegetarian



Supplementation with IPX Booster SS may:

- Help maintain a healthy gut microbiome*
- Balance the function of the immune system*
- Support the structural integrity of the lining of the GI tract*
- Enhance adiponectin production to support healthy insulin, glucose, and cholesterol levels*
- Provide anti-inflammatory benefits*
- Stimulate the production of protective sIgA antibodies*
- Support a healthy blood pressure level*
- Promote optimal cellular health and functionality*

*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.

For educational purposes only. Consult your physician for any health concerns.

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IPX-Booster SS™

PROBIOTICS & POSTBIOTICS

IPX-Booster SS

Postbiotic supplement featuring a unique array of bioactive metabolites
Formulated to support a healthy gut microbiome and balanced immune function*

What are postbiotics?

Postbiotics have been part of a healthy diet for millennia, and modern research techniques are beginning to elucidate the many underlying mechanisms by which postbiotics manifest beneficial effects. Postbiotics are inactivated probiotic bacterial cells and cell components, along with numerous metabolic byproducts made during the fermentation process, which may exert a beneficial effect on the host, either directly or indirectly.¹ Fermentation is one of the oldest forms of processing and preserving foods, and we know from research that fermentation can improve the nutritional and functional properties of foods. Fermentation has been widely utilized to increase the bioavailability of nutrients, metabolize “anti-nutrients,” reduce allergenic potential, and produce unique health-promoting substances.² Probiotic-generated postbiotic nutrients can regulate and maintain the body’s healthy intestinal microbiome while initiating thousands of chemical reactions in cells throughout the body to influence many vital functions. According to current data, postbiotics have pleiotropic effects, including immunomodulatory, anti-inflammatory, antioxidant, and anti-cancer properties.³⁻⁵

Short-chain fatty acids (SCFAs) are one type of postbiotic known to decrease inflammation, modulate the gut microbiome, and impact well-being. Research reveals that SCFAs enhance the clearance of *Klebsiella pneumoniae* and *Proteus mirabilis* from the intestinal tract and represent a potential therapeutic approach to antibiotic-resistant pathogens.⁶ Research also confirms that dysbiosis in patients with inflammatory bowel disease (IBD) is associated with impaired SCFA-fermentative pathways, whereas robust production of SCFAs is associated with a reduced risk of developing IBD.⁷ SCFAs are known to exhibit modulating effects on the cells of the immune system, including T regulatory cells, neutrophils, and macrophages.^{7,8} SCFAs also impact cytokine production and migration, cytolytic activity, and epigenetic expression.⁷

In the gastrointestinal tract, human and animal trials confirm that supplementation with postbiotics increases the production of protective microbiome-modulating secretory IgA (sIgA) antibodies.⁸⁻¹⁰ According to several human and animal studies, supplementation with postbiotics also results in increased numbers of circulating T regulatory cells, improved hepatic function, improved intestinal microbial balance, and longer and healthier microvilli in the duodenum, jejunum, and ileum, which could improve nutrient absorption.¹¹⁻¹⁶

Postbiotics are known to facilitate metabolic benefits beyond the gastrointestinal tract as well.¹⁷ One in vitro study concluded that administration of postbiotics to adipose cells increased adiponectin production by 220%, which may reduce the risk of developing lifestyle-related diseases such as atherosclerosis, diabetes, insulin resistance, and high blood pressure.^{18,19} Adiponectin is an endocrine factor synthesized and released from adipose tissue that boasts insulin-sensitizing, anti-atherogenic, and anti-inflammatory properties.²⁰

Nutrition Facts

30 servings per box

Servings size: 10ml

	Amount Per Serving	% DV
Calories	1.9	
Total Fat	0g	0%
Saturated Fat	0g	0%
Trans Fat	0g	0%
Cholesterol	0mg	0%
Sodium	1.4mg	0.06%
Total Carbohydrate	0.42g	0.15%
Dietary Fiber	0.01g	0.04%
Total Sugars	0.41g	
Includes 0g of added Sugars		0%
Protein	0.06g	0.12%
Vitamin D	0mcg	0%
Calcium	5.7mg	0.44%
Iron	0.03mg	0.16%
Potassium	32.2mg	0.69%

Ingredients: Fermented Soybean Extract, Citric Acid, Malic Acid
Egg & Gluten Free. Vegetarian
May contain soybean

Storage Conditions:

- Avoid direct sunlight and store at room temperature.
- Keep out of reach of children.
- Once bottle has been opened, please use within one week.
- Please close cap after use.

Precautions:

- Soy and milk are used in the production process. Although soy and milk proteins are not detectable in the final product, if allergic to soy or milk, consult your doctor before using this product.
- If pregnant or nursing consult your doctor before using this or any other product.
- If you feel discomfort after use, stop using this product and consult your doctor.

References:

1. Salminen S, Collado MC, Endo A, et al. *Nat Rev Gastroenterol Hepatol*. 2021;18(9):649-667. doi:10.1038/s41575-021-00440-6
2. Mukherjee R, Chakraborty R, Dutta A. *Asian-Australas J Anim Sci*. 2016;29(11):1523-1529. doi:10.5713/ajas.15.0627
3. Żółkiewicz J, Marzec A, Ruszczyński M, Feleszko W. *Nutrients*. 2020;12(8):2189. doi:10.3390/nu12082189
4. Mayorgas A, Dotti I, Salas A. *Mol Nutr Food Res*. 2021;65(5):e2000188. doi:10.1002/mnfr.202000188
5. Piqué N, Berlanga M, Miñana-Galbis D. *Int J Mol Sci*. 2019;20(10):2534. doi:10.3390/ijms20102534
6. Sorbara MT, Dubin K, Littmann ER, et al. *J Exp Med*. 2019;216(1):84-98. doi:10.1084/jem.20181639
7. Russo E, Giudici F, Fiorindi C, et al. *Front Immunol*. 2019;10:2754. doi:10.3389/fimmu.2019.02754
8. Murata Y. Approach to Infection – Immune effects of canine intestinal flora and biogenics. *Journal of Modern Veterinary Medicine*. 2021;195:27-32. Article in Japanese.
9. Béghin L, Tims S, Roelofs M, et al. *Clin Nutr*. 2021;40(3):778-787. doi: 10.1016/j.clnu.2020.07.024
10. Dunand E, Burns P, Binetti A, et al. *J Appl Microbiol*. 2019;127(1):219-229. doi: 10.1111/jam.14276
11. Hayasaka J, Nunomura Y, Omura M, et al. *Japanese Journal of Veterinary Research*. 2021;69(3):175-82. doi:org/10.14943/jjvr.69.3.175
12. Effect of AmitA on serum levels of GOT, GPT, and BUN in a rat model of hepatic dysfunction. Laboratory Animal Research Center, RIKEN. Abstract in Japanese.
13. HRK Bio-tech. The effect of AmitA on modifying gut microbiota in a Chinese cohort. *Hcode Research*. 2017 Aug; Shenzhen, China.
14. Beneficial effects on intestinal flora by AmitA. A pilot clinical trial, n=5. Abstract in Japanese.
15. The comparison of duodenum microvillus of mice taking 1% AmitA PURE vs. controls. Abstract in Japanese.
16. Humam AM, Loh TC, Foo HL, et al. *Animals (Basel)*. 2019;9(9):644. doi:10.3390/ani9090644
17. Liu Q, Liu Y, Li F, et al. *J Nutr Biochem*. 2020;75:108256. doi:10.1016/j.jnutbio.2019.108256
18. Preadipocytes cultured with AmitA PURE generate 220% increased secretion of adiponectin compared to controls. *Japan Society of Nutrition and Food Science*. 2007(5). Abstract in Japanese.
19. Al-Mansoori L, Al-Jaber H, Prince MS, Elrayess MA. *Inflammation*. 2021;1-14. doi:10.1007/s10753-021-01559-z
20. Achari AE, Jain SK. *Int J Mol Sci*. 2017;18(6):1321. doi:10.3390/ijms18061321

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