

Premier Aminos-FX

Advanced Essential Amino Acid (EAA) Formula for Muscle Performance, Energy, & Immune Support*

Dietary Supplement



PURITY
VERIFIED



POTENCY
VERIFIED



NO ADDED
STEARATES



POWDER



VIOLITE®
BOTTLE



Premier Aminos-FX represents a new generation of amino acid supplementation—crafted not just for muscle recovery, but for whole-body resilience.* The clinically formulated **Amino-L40™** EAA matrix in Premier Aminos-FX provides all nine essential amino acids that have been synthesized using a proprietary fermentation process to yield an amino acid blend that is free of animal products and ensures low allergenicity. The EAA concentrations in Premier Aminos-FX are in ratios that support protein synthesis and muscle metabolism, while also playing roles in mitochondrial efficiency, neurotransmitter activity, and tissue renewal.* Because the body cannot make EAAs on its own, they must be supplied through diet or supplementation. During times of intense training, stress, or aging, the body's demand for amino acids can increase beyond what is supplied by diet alone. Premier Aminos-FX helps support muscle strength, recovery, and performance by providing targeted amino acid nourishment when the body needs it most.*

Clinically Formulated to Support Cellular Activation, Renewal, and Recovery*

Muscle health is central to the design of Premier Aminos-FX.* Leucine-rich EAAs in the **Amino-L40™** blend support the activation of the mTORC1 pathway, the master regulator of muscle protein synthesis (MPS), supporting repair, strength, and lean mass preservation (1,19-21).* EAAs also help address delayed onset muscle soreness (DOMS) by supporting healthy replenishment of amino acid pools, maintaining muscle membrane integrity, and easing tissue stress from high-volume training (4-6).* Studies suggest that pre-exercise EAA intake may enhance amino acid delivery to muscle and sustain anabolic signaling longer than post-exercise use, making this formula highly relevant for both athletes and aging populations (2,3).* Beyond exercise, the balanced EAA profile in Premier Aminos-FX helps support healthy muscle growth during caloric restriction, fasting, or inactivity, while also supporting the body's adaptive response to age-related anabolic resistance (2,3,7,8)*

Revitalize from Within: The Nucleotide Edge*

Equally vital are nucleotides—the building blocks of DNA and RNA. These molecules are indispensable for rapidly dividing cells in the immune system

and intestinal lining. While the body can synthesize nucleotides internally, this process may not keep pace under stress or high metabolic demand. By supplying pre-formed nucleotides through Immunell™ in Premier Aminos-FX, the formula provides comprehensive support for immune signaling, gut barrier integrity, and cellular renewal (9-12)*.

Premier Aminos-FX: Differentiators & Highlights

When choosing an essential amino acid product, quality and completeness matter. What sets Premier Aminos-FX apart is its synergistic design, going beyond standard essential amino acid formulas by providing:

- **Complete EAA + BCAA Profile** – Premier Aminos-FX delivers all nine essential amino acids—including leucine, isoleucine, and valine—through the targeted **Amino-L40™** complex to help support muscle protein synthesis, mitochondrial metabolism, lean mass preservation, and neurotransmitter pathways (13,14,19-21)*.
- **Supports Muscle Recovery & Performance** – Each serving of Premier Aminos-FX supplies roughly 2 g leucine (40% concentration) via the **Amino-L40™** EAA matrix, a key activator of muscle protein synthesis (MPS), alongside free-form EAAs that are rapidly absorbed for use around training or during periods of inactivity (15,16,19-21)*.
- **Immunell® Patented Nucleotide Complex** – Premier Aminos-FX features pre-formed 5'-ribonucleotides (AMP, GMP, UMP, CMP) that are directly available to support normal RNA/DNA turnover, immune activity, and gut barrier support.* Unlike ATP or nucleosides that require extra breakdown or conversion, Immunell™ nucleotides help support the body's natural cellular renewal processes by efficiently entering normal salvage pathways, providing targeted support when the body needs it most (9,10,17,18)*.
- **Hawaiian Sea Salt** – Premier Aminos-FX (Natural Mixed Berry Flavor) includes Hawaiian Sea Salt, a superior source of sodium, potassium, magnesium, and volcanic trace minerals.* Every batch is carefully sourced and third-party tested for purity and consistency—providing electrolytes that help maintain hydration and cellular balance.*

One Scoop of Powder (Mixed Berry Flavor) Provides:

Sodium	32 mg
Amino-L40™ Essential Amino Acid Blend	5000 mg
Immunell™††	50 mg
Proprietary Nucleotide Blend [Mixed 5'-Ribonucleotides; Guanosine-5'-monophosphoric acid (GMP), Adenosine-5'-monophosphoric acid (AMP), Uridine-5'-monophosphoric acid (UMP), Cytidine-5'-monophosphoric acid (CMP)]	

Other Ingredients: Maltodextrin GMO Free, Natural Flavors, Arabic Gum, Citric Acid, Malic Acid, Hawaiian Sea Salt, Stevia Extract, Organic Beet Root Powder

Essential Amino Acid Blend Amino Acid Profile

L-Leucine.....1942 mg

Proprietary Blend

L-Valine, L-Methionine, L-Isoleucine, L-Lysine Acetate, L-Threonine, L-Tryptophan, L-Histidine, L-Phenylalanine

Suggested Use: Mix 1 heaping scoop (approximately 5g) daily in water or juice or as recommended by a healthcare practitioner.

Order Code: 2101 (7.9oz); Violite® Container



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- **Allergen-Conscious Aminos** – The starting material excludes the nine major allergens recognized by the FDA (e.g. milk, eggs, fish, crustacean shellfish, tree nuts, peanuts, wheat, soybeans, and sesame).
- **Whole-System Support** – More than just amino acids, Premier Aminos-FX combines the **Amino-L40™** EAA complex, Immunell™ nucleotides, and electrolytes from Hawaiian Sea Salt (Natural Mixed Berry Flavor only) to provide integrated support for energy metabolism, muscle health, immune health, and healthy tissue growth.*
- **Flavor Options** – Premier Aminos-FX is available in two convenient, vegan-friendly powder options: a refreshing berry-flavored formula and an unflavored, unsweetened version without Hawaiian Sea Salt for maximum versatility in mixing and client preference.

The result is a formula that doesn't just cover the basics—Premier Aminos-FX is built for optimizing energy metabolism, supporting muscle health, reinforcing the body's natural immune defenses, and sustaining tissue vitality under modern stress demands.*

Recommended Use

Mix 1 heaping scoop (approximately 7.5 g) into 12 oz. of water and drink.

Targeted Support Strategies

- **Energy & Performance Needs** – For athletes or active clients during training demands.*

Suggested use: Take 1 scoop of Premier Aminos-FX in 8–12 oz. water before or after exercise. On demanding days, use twice daily.

- **Immune & Gut Support** – For daily support of the gut-immune connection.*

Suggested use: Take 1 scoop of Premier Aminos-FX daily between meals; may continue for 1–2 weeks during higher stress periods.

- **Everyday Wellness** – For adults seeking daily amino acid, electrolyte, and nucleotide support.*

Suggested use: Take 1 scoop of Premier Aminos-FX daily, mixed in water, tea, or a smoothie. Consistent use is recommended.



References

- Katsanos CS, Kobayashi H, Sheffield-Moore M, Aarsland A, Wolfe RR. A high proportion of leucine is required for optimal stimulation of the rate of muscle protein synthesis by essential amino acids in the elderly. *Am J Physiol Endocrinol Metab.* 2006 Aug;291(2):E381-7. doi: 10.1152/ajpendo.00488.2005. Epub 2006 Feb 28. PMID: 16507602.
- Tipton Kevin D, Blake B, Rasmussen, Sharon L, Miller, Steven E, Wolf, Shari K, Owens-Stovall, Bart E, Petrin, and Robert R, Wolfe. "Timing of Amino Acid-Carbohydrate Ingestion Alters Anabolic Response of Muscle to Resistance Exercise." *American Journal of Physiology-Endocrinology and Metabolism*, vol. 281, no. 2, 2001, pp. E197–E206. American Physiological Society, <https://doi.org/10.1152/ajpendo.2001.281.2.E197>
- Volpi E, Kobayashi H, Sheffield-Moore M, Mittendorfer B, Wolfe RR. Essential amino acids are primarily responsible for the amino acid stimulation of muscle protein anabolism in healthy elderly adults. *Am J Clin Nutr.* 2003 Aug;78(2):250-8. doi: 10.1093/ajcn/78.2.250. PMID: 12885705; PMCID: PMC3192452.
- Jackman SR, Witard OC, Jeukendrup AE, Tipton KD. Branched-chain amino acid ingestion can ameliorate soreness from eccentric exercise. *Med Sci Sports Exerc.* 2010 May;42(5):962-70. doi: 10.1249/MSS.0b013e3181c7b798. PMID: 19997002.
- Nosaka K, Sacco P, Mawatari K. Effects of amino acid supplementation on muscle soreness and damage. *Int J Sport Nutr Exerc Metab.* 2006 Dec;16(6):620-35. doi: 10.1123/ijsem.16.6.620. PMID: 17342883.
- Salam, A., Ben Maoui, K., Jahrami, H. et al. Attenuating Muscle Damage Biomarkers and Muscle Soreness After an Exercise-Induced Muscle Damage with Branched-Chain Amino Acid (BCAA) Supplementation: A Systematic Review and Meta-analysis with Meta-regression. *Sports Med - Open* 10, 42 (2024). <https://doi.org/10.1186/s40798-024-00686-9>
- Paddon-Jones D, Sheffield-Moore M, Urban RJ, Sanford AP, Aarsland A, Wolfe RR, Ferrando AA. Essential amino acid and carbohydrate supplementation ameliorates muscle protein loss in humans during 28 days bedrest. *J Clin Endocrinol Metab.* 2004 Sep;89(9):4351-8. doi: 10.1210/yc.2003-032159. PMID: 15356032.
- Ferrando AA, Paddon-Jones D, Hays NP, Kortebain P, Ronsen O, Williams RH, McComb A, Symons TB, Wolfe RR, Evans W. EAA supplementation to increase nitrogen intake improves muscle function during bed rest in the elderly. *Clin Nutr.* 2010 Feb;29(1):18-23. doi: 10.1016/j.clnu.2009.03.009. Epub 2009 May 5. PMID: 19419606.
- Hess, Jennifer R., Greenberg, Norman A., The Role of Nucleotides in the Immune and Gastrointestinal Systems. *Journal in Nutrition in Clinical Practice*, 0884-5333 <https://doi.org/10.1177/0884533611434933>
- Grimble, G. K., & Westwood, O. M. (2001). Nucleotides as immunomodulators in clinical nutrition. *Current opinion in clinical nutrition and metabolic care*, 4(1), 57–64. <https://doi.org/10.1097/00075197-200101000-00011>
- Jang KB, Kim SW. Supplemental effects of dietary nucleotides on intestinal health and growth performance of newly weaned pigs. *J Anim Sci.* 2019;97(12):4875-4882. doi: 10.1093/jas/skz334
- Carver JD. Dietary nucleotides: cellular immune, intestinal and hepatic system effects. *J Nutr.* 1994;124(1 Suppl):144S-148S.
- Li P, Yin Y-L, Li D, Kim SW, Wu G. Amino acids and immune function. *British Journal of Nutrition.* 2007;98(2):237-252. doi:10.1017/S000711450769936X
- Li G, Li Z, Liu J. Amino acids regulating skeletal muscle metabolism: mechanisms of action, physical training dosage recommendations and adverse effects. *Nutr Metab (Lond)*. 2024;21(1):41. Published 2024 Jul 2. doi:10.1186/s12986-024-00820-0
- Takegaki I, Sase K, Yasuda J, Shindo D, Kato H, Toyoda S, Yamada T, Shinohara Y, Fujita S. The Effect of Leucine-Enriched Essential Amino Acid Supplementation on Anabolic and Catabolic Signaling in Human Skeletal Muscle after Acute Resistance Exercise: A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Comparison Trial. *Nutrients.* 2020 Aug 12;12(8):2421. doi: 10.3390/nu12082421. PMID: 32806711; PMCID: PMC7468954.
- Moro T, Brightwell CR, Deer RR, Grabar TG, Galvan E, Fry CS, Volpi E, Rasmussen BB. Muscle Protein Anabolic Resistance to Essential Amino Acids Does Not Occur in Healthy Older Adults Before or After Resistance Exercise Training. *J Nutr.* 2018 Jun 1;148(6):900-909. doi: 10.1093/jn/nxy064. Erratum in: *J Nutr.* 2018 Oct 1;148(10):1699. doi: 10.1093/jn/nxy181. PMID: 29796648; PMCID: PMC6251608.
- Riera J, Pons V, Martinez-Puig D, et al. Dietary nucleotide improves markers of immune response to strenuous exercise under a cold environment. *J Int Soc Sports Nutr.* 2013;10(1):20. Published 2013 Apr 6. doi: 10.1186/1550-2783-10-20
- Diem H, Tran, Dohun Kim, Rushendhiran Kesavan, Harrison Brown, Trishna Dey, Mona Hoseni Softaee, Hieu S. Vu, Alpaslan Tasdogan, Jason Guo, Diya Bezwada, Houssam Al Saad, Feng Cai, Ashley Solomonson, Halie Rion, Rawand Chababtya, Salma Merchani, Nathan J. Manates, Vanina T. Tcheyay, Megan Mulkey, Thomas P. Matthews, James Brugarolas, Sean J. Morrison, Hao Zhu, Ralph J. DeBerardinis, Gerta Hoxhaj. De novo and salvage purine synthesis pathways across tissues and tumors. *Cell*, Volume 187, Issue 14, 2024, Pages 3602-3618.e20, ISSN 0092-8674, <https://doi.org/10.1016/j.cell.2024.05.011>.
- Matsu, Yasushi, Shoji Takayanagi, Takuya Chiro, Masahiro Watanabe, Hiroki Murano, Yasufumi Furuhashi, and Shumpei Miyakawa. "Effect of a Leucine-Enriched Essential Amino Acid Mixture on Muscle Recovery." *Journal of Physical Therapy Science*, vol. 31, no. 1, 2019, pp. 95–101. The Society of Physical Therapy Science, <https://doi.org/10.1589/jpts.31.95>
- Wilkinson, Daniel J., Syed S. I. Bukhari, Bethan E. Phillips, Marie C. Limb, Jessica Cegelski, Matthew S. Brook, Debbie Rankin, William K. Mitchell, Hisamine Kobayashi, John P. Williams, Jonathan Lund, Paul L. Greenhaff, Kenneth Smith, and Philip J. Atherton. "Effects of Leucine-Enriched Essential Amino Acid and Whey Protein Bolus Dosing upon Skeletal Muscle Protein Synthesis at Rest and after Exercise in Older Women." *Clinical Nutrition*, vol. 37, no. 6, 2018, pp. 2011–2021. Elsevier, <https://doi.org/10.1016/j.clnu.2017.09.008>
- Barsheim, Elisabeth, Quynh-Uyen T. Bui, Sandrine Tissier, Hisamine Kobayashi, Amy A. Ferrando, and Robert R. Wolfe. "Effect of Amino Acid Supplementation on Muscle Mass, Strength and Physical Function in Elderly." *Clinical Nutrition*, vol. 27, no. 2, 2008, pp. 189–195. Elsevier, <https://doi.org/10.1016/j.clnu.2007.11.006>

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Essential Amino Acid Blend Amino Acid Profile

L-Leucine.....1942mg

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