

Core ABC Product References

Valerio, A., D'antona, G., et al. BCAAs, Mitochondrial Biogenesis, and Healthspan: An Evolutionary Perspective. Aging. May 2011. 3(5), 464-470.

Bajotto, G., Sato, Y., et al. Effect of BCAA Supplementation During Unloading on Regulatory Components of Protein Synthesis in Atrophied Soleus Muscles. European Journal of Applied Physiology. 2011. 111, 1815-1828.

Borgenvik, M., Nordin, M., et al. Alterations in Amino Acid Concentrations in the Plasma and Muscle in Human Subjects during 24 Hour of Simulated Adventure Racing. European Journal of Applied Physiology. 2012. Published Ahead of Print.

a Luz, Claudia, Nicastro, H., et al. Potential Therapeutic Effects of BCAA Supplementation on Resistance Exercise-Based Muscle Damage in Humans. Journal of the International Society of Sports Nutrition. 2011. 8(23).

Dualano, A, et al. Branched-Chain Amino Acids Supplementation Enhances Exercise Capacity and Lipid Oxidation During Endurance Exercise After Muscle Glycogen Depletion. Journal of Sports Medicine and Physical Fitness. 2011.51(5), 82-88.

Hsu, M., Chien, K., et al. Effects of BCAA, Arginine, and Carbohydrate Combined Drink on Post-Exercise Biochemical Response and Psychological Condition. Chinese Journal of Physiology. April 2011. 542), 71-78.

Glynn, E., Fry, C., Drummond, M., Timmerman, K., Dhanani, S., Volpi, E., Rasmussen, B. Excess Leucine Intake Enhances Muscle Anabolic Signaling but Not Net Protein Anabolism in Young Men and Women. The Journal of Nutrition. 2010. 140(11), 1970-1976.

Sharp, C., Pearson, D. Amino Acid Supplements and Recovery from High-Intensity Resistance Training. Journal of Strength and Conditioning Research. 2010. 24(4), 1125-1130.

Ipoglou, T., King, R., Polman, R., Zanker, C. Daily L-Leucine Supplementation in Novice Trainees During a 12-Week Weight Training Program. International Journal of Sports Physiology and Performance. 2011. 6(1), 38-80.

Jourdan, C., et al. Body Fat Free Mass is Associated with the Serum Metabolite Profile in A Population Based Study. PLOS One. 2012. 7(6), e40009.

Lustgarten, M., et al. Serum Predictors of Percent Lean Mass in Young Adults. Journal of Strength and Conditioning Research. 2013. Published Ahead of Print.





Peltier, S., Vincent, L., et al. Effects of Carbohydrates-BCAAs-Caffeine Ingestion on Performance and Neuromuscular Function During a 2-H Treadmill Run. Journal of the International Society of Sports Nutrition. December 2011. 8(22).

Sowers, Starkie. A Primer on Branched Chain Amino Acids. Huntington College of Health Sciences. 2009. Retrieved 13 November 2013. http://www.hchs.edu/literature/BCAA.pdf

Rondanelli, M., Opizzi, A., Antoniello, N., Boschi, F., Iadarola, P., Pasini, E. Effect of Essential Amino Acid Supplementation on Quality of Life, Amino Acid Profile and Strength in Institutionalized Elderly Patients. Clinical Nutrition. 2011. 30(3).

Plauth, M., Schutz, T. BCAAs in Liver Disease: New Aspects of Long Known Phenomena. Current Opinions in Clinical Nutrition and Metabolic Care. January 2011. 14(1), 61-66.

Shah, S., Crosslin, D., et al. BCAA Levels are Associated with Improvement in Insulin Resistance with Weight Loss. Diabetologia. February 2012. 55(2), 321-330.

Hayaishi, S., Chung, H., et al. Oral BCAA Granules Reduce the Incidence of Hepatocellular Carcinoma and Improve Event-Free Survival in Patients with Liver Cirrhosis. Digestive Diseases. 2011. 29(3), 326-332.

Cole, J., Mitala, C., et al. Dietary BCAAs Ameliorate Injury-Induced Cognitive Impairment. Proceedings of the National Academy of the Sciences. January 2010. 107(1), 366-371.

Thomson, J., Ali, A., Rowlands, D. Leucine-Protein Supplemented Recovery Feeding Enhances Subsequent Cycling Performance in Well-Trained Male Cyclists. Applied Physiology, Nutrition, and Metabolism. 2011. 36(2), 242-253.

Walker, D., Dickinson, J., et al. Exercise, Amino Acids, and Aging in the Control of Human Muscle Protein Synthesis. Medicine and Science in Sports and Exercise. May 2011. Published Ahead of Print.

Qin, L., Xun, P., Bujnowski, D., Daviglus, M., Van Horn, L., Stamler, J., He, K. Higher Branched-Chain amino Acid Intake is Associated with a Lower Prevalence of Being Overweight or Obese in Middle-Aged East Asian and Western Adults. The Journal of Nutrition. 2010. 141(2), 249-254.

Ra, S., et al. Additional Effects of Taurine on the Benefits of BCAA Intake for the Delayed-Onset Muscle Soreness and Muscle Damage Induced by High-Intensity Eccentric Exercise. Advances in Experimental Medicine and Biology. 2013. 776, 179-187.

Jackman, S., et al. Branched-Chain Amino Acid Ingestion Can Ameliorate Soreness From Eccentric Exercise. Medicine and Science in Sports and Exercise. 2010. 42(5), 962-970.





Shimomura, Y., et al. Branched-Chain amino acid Supplementation Before Squat Exercise and Delayed- Onset Muscle Soreness. International Journal of Sport Nutrition and Exercise Metabolism. 2010. 20(3), 236-244.

PNAS, Sep 20 2005, 102(38):13681-13686. L-citrulline and L-arginine supplementation retards the progression of high-cholesterol-diet-induced atherosclerosis in rabbits.

Br J Clin Pharma, 2008, 65:51-59 Pharmacokinetic and pharmacodynamic properties of oral L-citrulline and L-arginine: impact on nitric oxide metabolism.

Urology, Jan 2011, 77(1):119-22. Oral L-citrulline supplementation improves erection hardness in men with mild erectile dysfunction

Tangphao O, et al. Pharmacokinetics of intravenous and oral L-arginine in normal volunteers. Br J Clin Pharmacol. (1999).

Curis E, Crenn P, Cynober L. Citrulline and the gut. Curr Opin Clin Nutr Metab Care. (2007).

Bahri S, et al. Mechanisms and kinetics of citrulline uptake in a model of human intestinal epithelial cells. Clin Nutr. (2008).

Takeda K, et al. Effects of citrulline supplementation on fatigue and exercise performance in mice. J Nutr Sci Vitaminol (Tokyo). (2011)

Giannesini B, et al. Citrulline malate supplementation increases muscle efficiency in rat skeletal muscle. Eur J Pharmacol. (2011).

Bendahan D, et al. Citrulline/malate promotes aerobic energy production in human exercising muscle. Br J Sports Med. (2002).

Pérez-Guisado J, Jakeman PM. Citrulline malate enhances athletic anaerobic performance and relieves muscle soreness. J Strength Cond Res. (2010)

Fitts RH, Balog EM. Effect of intracellular and extracellular ion changes on E-C coupling and skeletal muscle fatigue. Acta Physiol Scand. (1996)

Merry TL, Lynch GS, McConell GK. Downstream mechanisms of nitric oxide- mediated skeletal muscle glucose uptake during contraction. Am J Physiol Regul Integr Comp Physiol. (2010)

Álvares TS, et al. L-Arginine as a potential ergogenic aid in healthy subjects. Sports Med. (2011)

Bailey SJ, et al. Acute L-arginine supplementation reduces the O2 cost of moderateintensity exercise and enhances high-intensity exercise tolerance. J Appl Physiol. (2010).





Wilkinson SB, Kim PL, Armstrong D, Phillips SM. Addition of glutamine to essential amino acids and carbohydrate does not enhance anabolism in young human males following exercise. Appl Physiol Nutr Metab. 2006 Oct;31(5):518-29.

Rennie, M., Bowtell, J., Bruce, M., Khogali, S. (2001). Interaction between glutamine availability and metabolism of glycogen tricarboxylic acid cycle intermediates and glutathione. Journal of Nutrition. Vol.131 Issue 95: 2488-91.

Varnier, M., Leese, G. (1995). Simulatory effect of glutamine on glycogen accumulation in human skeletal muscle. American Journal of Physiology. Vol.269 Issue 2: 309-15.

Philip Newsholme. Why Is L-Glutamine Metabolism Important to Cells of the Immune System in Health, Postinjury, Surgery or Infection? Journal of Nutrition. 2001;131:2515S-2522S

Lawrence J. Reitzer, Burton M. Wice, David Kennell. Evidence that Glutamine, Not Sugar, Is the Major Source of Energy for Cultured HeLa cells. April 25, 1979 The Journal of Biological Chemistry, 254

E. Hultman, K. Soderlund, J. A. Timmons, G. Cederblad and P. L. Greenhaff. Muscle creatine loading in men. J Appl Physiol 81: 232-237, 1996;

K. Vandenberghe, N. Gillis, M. Van Leemputte, P. Van Hecke, F. Vanstapel and P. Hespel. Caffeine counteracts the ergogenic action of muscle creatine loading. J Appl Physiol 80: 452-457, 1996;

Dawson, B : Cutler, M : Moody, A : Lawrence, S : Goodman, C : Randall, N. Effects of oral creatine loading on single and repeated maximal short sprints. Aust- J-Sci-Med-Sport. 1995 Sep; 27(3): 56-61

Michic, Sasa; MacDonald, Jay R.; McKenzie, Scott; Tarnopolsky, Mark A. Acute creatine loading increases fat-free mass, but does not affect blood pressure, plasma creatinine, or CK activity in men and women. Medicine & Science in Sports & Exercise: February 2000 - Volume 32 - Issue 2 - p 291

A. Saremi, R. Gharakhanloo, S. Sharghi, M.R. Gharaati, B. Larijani and K. Omidfar. Effects of oral creatine and resistance training on serum myostatin and GASP-1. Molecular and Cellular Endocrinology Volume 317, Issues 1-2, 12 April 2010, Pages 25-30.

B. Dangott, E. Schultz, P. E. Mozdziak. Dietary Creatine Monohydrate Supplementation Increases Satellite Cell Mitotic Activity During Compensatory Hypertrophy. Int J Sports Med 2000; 21(1): 13-16

Allen RE, Rankin LL. Regulation of satellite cells during skeletal muscle growth and development. Proc Soc Exp Biol Med. 1990 Jun;194(2):81-6





K. P. O'Reilly, M. J. Warhol, R. A. Fielding, W. R. Frontera, C. N. Meredith and W. J. Evans. Eccentric exercise-induced muscle damage impairs muscle glycogen repletion. J Appl Physiol 63: 252-256, 1987;

B. Op 't Eijnde, B. Ursø, E.A. Richter, P.L. Greenhaff, P. Hespel. Effect of Oral Creatine Supplementation on Human Muscle GLUT4 Protein...: Discussion. Diabetes. 2001;50(1) © 2001 American Diabetes Association, Inc.

