

Promotes Stem Cell Health*

STEM XCELL™ PRO



*Research demonstrates that the unique combination of ingredients found in NT-020 helps promote the health, proliferation and maintenance of neurons.*2*

A Proven Foundation*

Stem XCell™ Pro contains the patented blend NT-020 which was developed by a leading university and has been shown to promote the growth and health of stem cells.*1 This combination also protects stem cells through its powerful antioxidant action and promotes improved function in older stem cells.*

Stem XCell Pro contains ingredients such as wild blueberry extract, vitamin D3, green tea extract and carnosine. Glutathione, alpha lipoic acid, SOD and six additional enzymes have been added to enhance the potency and effectiveness. All of these ingredients are beneficial in their own right, however, it is the specific combination that makes **Stem XCell Pro** unique and effective in supporting the body's cellular health.*

Wild blueberries, with their high content of polyphenols, further promote general health and maintenance of healthy brain, cardiovascular, vision, joint and urinary tract function.* Research also indicates that VitaBlue® Wild Blueberry Extract may help prevent some effects of premature aging by promoting adult stem cell regeneration.*2 Carnosine is an amino acid that is naturally present in muscle and brain tissue. Carnosine also has antioxidant activity,³ which is beneficial for protecting stem cells. In addition to supporting cardiovascular function, vitamin D3 supports adult stem cell self-renewal from bone m abnormal cell growth.*4

- Supports the health and function of your body's own stem cells*
- Provides optimal delivery and absorption*



ENZYMESCIENCE™
EXCEPTIONAL ENZYME FORMULAS

* 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.

Enhanced by Enzymatic Activity

The enzyme blends in **Stem XCell Pro** are aimed at supporting the immune system and optimizing antioxidant delivery and absorption.* Protease and antioxidant enzymes, such as SOD and catalase, are the enzymes our bodies manufacture to maintain the immune system and scavenge free radicals.* This supports stem cell growth and function. The botanical enhanced enzymes in **Stem XCell Pro** are composed of carbohydrase enzymes formulated to assist with the delivery of important antioxidants found in this unique formula. **Stem XCell Pro** by Enzyme Science offers a unique approach to natural cellular regeneration.*

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Stem cells are often referred to as master cells. According to the National Institutes of Health, the primary role of adult stem cells is to maintain and repair tissue. With age, adult stem cells decrease in number. Adult stem cells have the potential to develop into most tissues in the body and have the capacity to migrate toward problem or damaged areas.

Stem XCell Pro represents a synergistic blend of active botanicals, antioxidants and enzyme catalysts in one of the most exciting new formulas aimed at adult stem cell renewal.*

- Supports the health and function of your body's own stem cells*
- Maintains optimal health of adult stem cell populations to support healthy immune and neurological systems*
- Protects the cells against the harmful effects of free radicals and helps to support the proliferation of stem cells within the body*

RECOMMENDED USE:

Take 2 capsules daily. More may be taken as recommended by a health care professional.

If you are pregnant or nursing, consult your physician prior to use.

¹Acosta, S., Jernberg, J., Sanberg, C.D., Sanberg, P.R., Small, B.J., Gemma, C. and Bickford, P.C. NT-020, a natural therapeutic approach to optimize spatial memory performance and increase neural progenitor cell proliferation and decrease inflammation in the aged rat. *Rejuvenation Res.* 2010(5):581-8. PubMed PMID: 20586644.

²Smith, B.J., et al "Nutraceutical Intervention Improves Older Adults' Cognitive Functioning." *Rejuvenation Research* 17 (2014). Web. 26 Aug. 2014. <<http://www.ncbi.nlm.nih.gov/pubmed/24134194>>

³Yay, A., Akkuş, D., Yapıslar, H., Balcıoğlu, E., Sonmez, M. and Ozdamar, S. Antioxidant effect of carnosine treatment on renal oxidative stress in streptozotocin-induced diabetic rats. *Biotech Histochem.* 2014:1-6. PubMed PMID: 24834928.

⁴Curtis, K.M., Aenlle, K.K., Roos, B.A. and Howard, G.A. 24R,25-dihydroxyvitamin D3 promotes the osteoblastic differentiation of human mesenchymal stem cells. *Mol Endocrinol.* 2014;28(5):644-58. PubMed PMID: 24597546.

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ENZYME SCIENCE™
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Enzyme Science™ utilizes proven ingredients for maximum benefit

Vitamin D3 is essential to innate immunity. Evidence exists of vitamin D warding off flu and the common cold. According to a review article, recent discoveries indicate vitamin D upregulates the endogenous antibiotics of innate immunity.

Beierbeck, H. (2008). Why you need extra vitamin d during the flu season. *Natural News*, Retrieved from www.naturalnews.com. Connell, J. (2008). On the epidemiology of influenza. *Virology Journal*, 5(29), 1-12.

Proprietary NT-020 Blend contains Green Tea Extract, Blueberry Lowbush Powder, Carnosine BioVin® Advanced Red Wine Extract and VitaBlue® Wild Blueberry Extract led to modest improvements in cognitive processing speed in older, cognitively healthy adults.

Smith, B.J., et al "Nutraceutical Intervention Improves Older Adults' Cognitive Functioning." *Rejuvenation Research* 17 (2014). Web. 26 Aug. 2014. <<http://www.ncbi.nlm.nih.gov/pubmed/24134194>>

Hemicellulase is a cellulase enzyme which breaks down hemicellulose polysaccharides found in plants. Hemicellulose rich foods consist of brans and grains.

Cellulase is the only digestive enzyme the body does not produce. Supplementing our diet with cellulase enzymes allows our body to remove fiber along with mucus.

Xylanase is a type of enzyme responsible for breaking down structural components of plant cell walls. This type of hemicellulase plays a role in digesting fruits, vegetables, nuts, grains, and food additives.

Pectinase breaks down carbohydrates such as pectin found in many fruits and vegetables.

Catalase exhibits powerful antioxidant properties and is essential for the body. This enzyme catalyzes the reaction of hydrogen peroxide to form water and oxygen, therefore neutralizing harmful free radicals.

Superoxide dismutase (SOD) quenches the superoxide radical making it a very important antioxidant enzyme.

Alpha Lipoic Acid quenches peroxide radicals and provides great protection for the brain and other tissues affected by peroxides.

Protease Thera-blend™ contains multiple strains of protease for digesting proteins. Research has indicated that oral proteases bound to alpha-II macroglobulin are capable of digesting protein pathogens, thus supporting the immune system.

Larsson, L.J., et al. (1988). Properties of the complex between alpha 2-macroglobulin and brinase, a proteinase from aspergillus oryzae with thrombolytic effect. *Thromb Res.* 49(1), 55-68.

Supplement Facts

Serving Size: 2 Capsules
Servings Per Container: 30

Amount Per Serving	%DV ¹
Vitamin D3 (as cholecalciferol) Vegetarian	2,000 IU 500%
Proprietary Blend NT-020	800 mg
Green Tea Extract (<i>Camellia sinensis</i>) (95% polyphenols/45% EGCG)	**
Blueberry Lowbush Powder (<i>Vaccinium angustifolium</i>) (fruit)	**
Carnosine	**
BioVin® Advanced Red Wine Extract (<i>Vitis vinifera</i>) (fruit) (5% resveratrol)	**
VitaBlue® Wild Blueberry Extract (<i>Vaccinium angustifolium</i>) (fruit) (30% total phenolics/12% anthocyanins)	**
Botanical Enhance Enzymes	25mg
Hemicellulase	3,000 HCU **
Cellulase	200 CU **
Xylanase	250 XU **
Pectinase (w/phytase)	5 Endo-PGU **
Defenze™ Antioxidant Blend	25mg
Catalase	12.5 Baker **
Superoxide Dismutase (SOD)	4 mg **
Alpha Lipoic Acid	4 mg **
Protease <i>Thera-blend™</i>	2,500 HUT **
Glutathione (reduced)	3 mg **

**Daily Value not established

¹Percent Daily Values are based on a 2,000 calorie diet

OTHER INGREDIENTS: 100% Vegetarian Capsule (cellulose, water)
CONTAINS NO egg, dairy, preservatives, salt, sucrose, soy, yeast, casein, potato, rice, corn, wheat, gluten, nuts, artificial colors or flavors.
Keep closed in dry place; do not expose to excessive heat.