

# StemEnhance<sup>®</sup> ULTRA

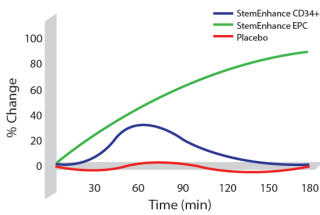


StemEnhance<sup>®</sup> Ultra assists the body's inherent ability for long-term self-renewal by supporting the body's natural release of bone marrow stem cells.\* It concentrates and combines extracts from nature's most primitive superfoods, fresh water microalgae and marine macroalgae, providing the body with the ultimate in stem cell support.

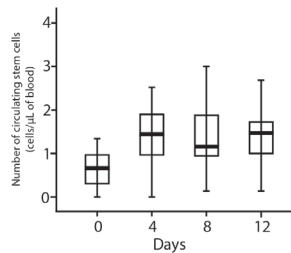
1. StemEnhance<sup>®</sup> Ultra is the result of 16 years of research and constitutes the most efficacious and scientifically proven stem cell support product in the market.
2. Through multiple clinical trials StemEnhance<sup>®</sup> Ultra was documented to optimize stem cell function in the body by increasing the number of both CD34+ stem cells and Endothelial Progenitor Cells (EPCs) in the blood circulation, supporting optimum renewal and repair of tissues and organs.
3. StemEnhance<sup>®</sup> Ultra also contains Mesenkin<sup>™</sup> that was shown to increase the blood concentration of G-CSF that plays a key role in stem cell release.

## STUDIES/RESEARCH

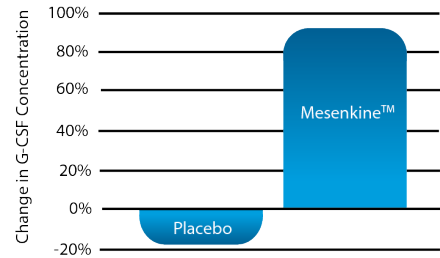
While StemEnhance<sup>®</sup> was shown to increase the number of both CD34+ stem cells and Endothelial Progenitor cells immediately after consumption, fucoidan from Undaria pinnatifida was documented to increase the number of circulating stem cells over time. The novel ingredient Mesenkin<sup>™</sup> was documented to increase the blood concentration of G-CSF and trigger the release of stem cells from the bone marrow and the migration of stem cells into tissues.



While placebo did not show any significant effect on the number of circulating stem cells, StemEnhance triggered a transient increase in the number of CD34+ cells (25%) and a long-lasting increase in the number of circulating EPC (>75%)



Consumption of fucoidan from Undaria pinnatifida led to an increase in the background level of circulating stem cells.



## FEATURES & BENEFITS

FEATURES	BENEFITS
<b>StemEnhance<sup>®</sup></b> (AFA concentrate)	shown to support the release of stem cells from the bone marrow
<b>Fucoidan</b> (undaria pinnatifida)	a marine alga well known to support the immune system. Cerule's fucoidan comes from Undaria harvested from pristine ocean environments like the Tasmanian Sea and Patagonia. Fucoidan from Undaria pinnatifida has been documented to increase the number of circulating stem cells.
<b>Mesenkin<sup>™</sup></b> a unique extract from Spirulina	isolated through Cerule patented extraction process, that supports the release and homing of stem cells by balancing key messengers involved in stem cell function

## INGREDIENTS AND LABEL

StemEnhance<sup>®</sup> Ultra is the Ultimate in stem cell support containing a proprietary blend of highly concentrated extracts including Fucoidan and Cerule's own exclusive patented ingredients StemEnhance<sup>®</sup> and Mesenkin<sup>™</sup>.

Mesenkin, an extract from Spirulina, further enhances this synergistic blend by balancing key messengers involved in stem cell function.\*

- Supports healthy cell renewal and maintenance\*
- Supports the body's innate ability to self-heal\*
- Supports the body's natural release of stem cells\*

**Caution:** Use only as directed. Do not take this product if you are pregnant or nursing. Consult a healthcare professional before use if you have existing medical conditions. Not intended for children. Store in a cool dry place.

\*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.

ULTIMATE  
STEM CELL SUPPORT<sup>®</sup>

60 CAPSULES  
DIETARY SUPPLEMENT

**Suggested Use:**  
Take 2 capsules 1-2 times daily.

**Supplement Facts**

Serving Size: 2 capsules  
Servings per container: 30

Amount per serving	
<b>StemEnhance<sup>®</sup> Ultra Proprietary Blend</b>	
StemEnhance <sup>®</sup> (Aphanizomenon flos-aque concentrate)	475 mg†
Mesenkin <sup>™</sup> (Spirulina piktensis extract)	475 mg†
Fucoidan 80% (Undaria pinnatifida extract)	75 mg†

† Daily value not established

**Other ingredients:** Hypromellose (Vegetable Capsule), Silica

**Product does not contain** dairy, wheat, gluten, peanuts, soy or corn allergens. No artificial flavors or colors.  
100% vegetarian, non-GMO and free from herbicides and pesticides.

Distributed by: Cerule, LLC  
Klamath Falls, OR 97601 USA  
844-422-7853 | www.cerule.com  
US Patent 8,948,881 / 7,991,690 / 8,370,327  
Additional Patent Pending

Product of USA  
Net Content 30 Capsules  
Net Weight 1.50 oz (42.5g)

## Q&As

### What is StemEnhance® Ultra?

StemEnhance® Ultra concentrates and combines extracts from nature's most primitive superfoods, fresh water microalgae and marine macroalgae, providing the body with the ultimate in stem cell support.

### Why is StemEnhance® Ultra beneficial?

StemEnhance® Ultra assists the body's inherent ability for long-term self-renewal by supporting the body's natural release of bone marrow stem cells.

### What are stem cells and why are they considered important?

"The primary roles of adult stem cells in a living organism are to maintain and repair the tissue in which they are found." <http://stemcells.nih.gov/info/basics/4.htm>  
Furthermore, stem cells released from the bone marrow can migrate into various tissues where they contribute to the process of tissue repair.\*

### Can StemEnhance® Ultra be consumed with other Cerule products and other nutrients?

Yes, the Cerule products can be consumed together and were designed to enhance the beneficial effects of each other. We know of no known concerning interaction between the Cerule products and other nutritional supplements.

For a full list of StemEnhance Ultra Q&As, go to Cerule Back Office or ask the IBO that provided this Product Fact Page for assistance.

## SUGGESTED USAGE

Take 2 capsules, 1 to 2 times daily.  
For adult consumption.

## FURTHER DETAILS

No dairy, wheat, gluten, peanut, soy, corn, or allergens  
No artificial flavors or colors  
100% vegetarian and Vegetarian capsules  
Non-GMO  
Free from herbicides and pesticides

Pregnancy and nursing are considered special conditions. We recommend that your attending doctor(s) be made aware of any and all supplements consumed during this time. At this time, we do not advise StemEnhance® Ultra consumption during pregnancy.

If you have any health condition and/or are using any medication then consult your attending health care provider before consuming any nutritional supplement.

For further information go to [Cerule.com](http://Cerule.com), [Facebook.com: Cerule Global](https://www.facebook.com/CeruleGlobal), [YouTube.com: Cerule](https://www.youtube.com/Cerule)

## NATURAL CONCENTRATES & EXTRACTS

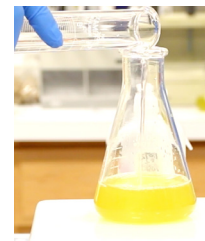
AFA



Fucoïdan



Mesenkine



## REFERENCES

Jensen GS, Hart AN, Zaske LA, Drapeau C, Gupta N, Schaeffer DJ, Cruickshank JA. Mobilization of human CD34+ CD133+ and CD34+ CD133(-) stem cells in vivo by consumption of an extract from *Aphanizomenon flos-aquae*--related to modulation of CXCR4 expression by an L-selectin ligand? *Cardiovasc Revasc Med*. 2007 Jul-Sep;8(3):189-202.

Drapeau C, Antarr D, Ma H, Yang Z, Tang L, Hoffman RM, Schaeffer DJ. Mobilization of bone marrow stem cells with StemEnhance improves muscle regeneration in cardiotoxin-induced muscle injury. *Cell Cycle*. 2010 May;9(9):1819-23.

Drapeau C, Eufemio G, Mazzoni P, Roth GD and Stranberg S: The therapeutic potential of stimulating endogenous stem cell mobilization. In: *Tissue Regeneration*, GW Yip (Ed), Yong Loo Lin School of Medicine, National University of Singapore, Singapore, 2012, pp. 167-202.

Garber M, Mazzoni P, Nazir C, and Drapeau C. Use of Stem Cell Mobilizer se2® as Part of Conventional Treatment on Ankle Injuries to Expedite Recovery in Professional Soccer Players. *J. of Advancement in Medical and Life Sciences*, 2015 2(3).

Irhimeh MR, Fitton JH, Lowenthal RM. Fucoïdan ingestion increases the expression of CXCR4 on human CD34+ cells. *Exp Hematol*. 2007 Jun;35(6):989-94.

Han YS, Lee JH, Jung JS, Noh H, Baek MJ, Ryu JM, Yoon YM, Han HJ, Lee SH. Fucoïdan protects mesenchymal stem cells against oxidative stress and enhances vascular regeneration in a murine hindlimb ischemia model. *Int J Cardiol*. 2015 Nov 1;198:187-95.

Fitton JH. Therapies from fucoïdan; multifunctional marine polymers. *Mar Drugs*. 2011;9(10):1731-60.

\* These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, or prevent any disease.