

# StemEnhance® ULTRA

StemEnhance® ULTRA (SEU) is made from nature's most primitive superfoods. It concentrates and combines extracts from fresh water microalgae and marine macroalgae. Cerule® is specialized in the harvest of Aphanizomenon flos aquae (AFA) and transformation and extraction of both AFA and spirulina through processes that ensure quality from the raw material to finished product. **SEU** is the result of more than 10 years of research in the identification and extraction of active molecules, as well as the design of an exclusive drying technology called HydroDry® that preserves the nutritional benefits of algae, (US Patents 6,814,961 & 9,370,537 / EU Patent

StemEnhance®, a patented and clinically tested extract of AFA, is associated with Fucoïdan from Undaria pinnatifida and Mesenkine®, a Cerule exclusive and patented concentrate from Spirulina. These 3 ingredients work in synergy to support the release of your adult stem cells.

# **CHARACTERISTICS AND BENEFITS**

AFA is a blue-green algae that belongs to cyanobacteria family. It grows naturally in Klamath lake in Southern Oregon (USA). Cradled in a volcanic region surrounded with national parks and forest, Klamath lake constitutes a unique ecosystem rich in sediments and minerals that promotes and sustains exceptional algal blooms. Thus, AFA provides various essential macronutrients (Pietri A. M., 2011), proteins (>50%) and in fibers. It also constitutes a good source of micronutrients:

- 20 amino acids, characterized by an ideal profile that matches the recommended daily intakes of the 10 essential amino acids
- 60 minerals and trace elements, rich in calcium (6mg/g) and in iron (0.32mg/g)
- 14 vitamins, particularly vitamins B1, B2, B12.

It provides several antioxidants such as carotenoids, lycopene, and chlorophyll. Moreover, AFA contains PhenylEthylAmine (PEA). This molecule is naturally secreted by the brain and is associated with a sense of wellbeing, it participates to the regulation of mood.

StemEnhance contains a L-selectin inhibitor and has clinically tested to support the mobilization of your adult stem cells. (Jensen et al., 2007). The extract has been extensively studied in several preclinical and clinical studies (Drapeau et al., 2010; Drapeau et al., 2012; Ismail et al. 2013; El Akabawy & El Mehi 2015).

AFA is well known for its nutritional richness in macro and micronutrients. It is composed of more than 60 % proteins and 14% carbohydrates. It is a good source of essential polyunsaturated fatty acids, amino acids, and micronutrients such as Iron, Calcium, Magnesium, Phosphorus and Selenium. It is used in nutritional supplementation all over the world. It contains antioxidants and supports the immune system (Finamore et al., 2017).

While developing Cyactiv® over several years, a yellow low-molecular weight compound called Mesenkine was discovered and isolated from spirulina. The process to extract Mesenkin has been patented by Cerule. The studies carried out on Mesenkine have shown that the extract helps mobilize your adult stem cells.

StemEnhance® Aphanizomenon Flos-Aquae



Fucoïdan Undaria pinnatifida



Mesenkine® Arthrospira platensis

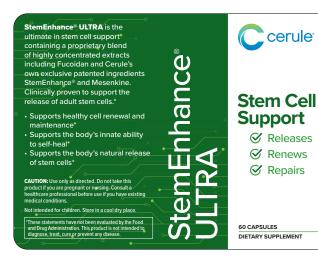


Undaria pinnatifida is used in Japanese cuisine under the name of Wakame, it is used in salads and miso soup. Undaria pinnatifida is a brown algae traditionally called sea fern. It is growing in several regions of the world but the Wakame selected in SEU comes from the world's most pristine oceanic environments. Undaria pinnatifida helps to protect cells and tissues against damages from oxidative stress, thanks to its richness in polyphenols and fucoxanthin (Fung et al., 2013). This characteristic comes from an adaptive defense mechanism, as seaweeds are exposed to significant sunlight and oxygen.

Marine algae, or seaweeds, are well-known for their content in sulfated polysaccharides that compose their cell wall. The extract selected by Cerule, standardized to 80% of Fucoïdan, was documented to support the mobilization of your adult stem cells (Irhimeh et al., 2007).



#### **INGREDIENTS AND LABEL**





### **SUGGESTED USAGE**

Recommended daily dose for an adult: 2 capsules, 1 to 2 times per day, with a glass of water, with or without food. Do not refrigerate.

### **ADDITIONAL INFORMATION**

Does not contain dairy, gluten, artificial aromas, preservatives or coloring agents. Capsule exclusively composed of ingredient from vegetable origin.

Suitable for vegetarian consumers.

Cerule has no knowledge of any contraindications to consume StemEnhance ULTRA in case of pregnancy or breastfeeding. However, as a precaution, we advise to consult your physician as pregnancy and breastfeeding represent specific health conditions.

**Cerule** has no knowledge of any contraindications or interactions to consume **StemEnhance ULTRA** with any medication. However, if you are taking a treatment or if your health requires a medical follow-up, we advise to consult your physician.

# FAQ'S

What are the ingredients in StemEnhance ULTRA (SEU)? StemEnhance, is a patented and clinically tested extract of Aphanizomenon Flos Aquae (AFA), with Fucoïdan from Undaria pinnatifida and Mesenkine a Cerule exclusive and patented concentrate from Spirulina. These 3 ingredients work in synergy to support the mobilization of your adult stem cells.

Can StemEnhance ULTRA be used with Cerule supplements (PlasmaFlo® and Cyactiv®) or with other supplements? Yes, Cerule products can be consumed together and have been created to act in synergy for optimal wellness. Cerule has no knowledge of any contraindications or interactions from consuming StemEnhance ULTRA with any other supplements.

## **REFERENCES**

Product of the USA Rev: NOV2021

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#### FOR MORE INFORMATION

www.cerule.com www.facebook.com/ceruleglobal www.youtube.com/cerule https://www.facebook.com/cerulenzau

Cerule Caring Crew will answer all your questions by phone or email:
NZ 0800 CERULE (237853) CaringCrewNZ@cerule.com
AU 1800 CERULE (237853) CaringCrewAU@cerule.com

