

Algal lipid fractions derived from the green algae, Chlamydomonas reinhardtii

As sustainability concerns increase, we look to develop ingredients which promote biodiversity and environmental protection. As a result of thriving in such diverse and extreme environments, green algae, such as *Chlamydomonas reinhardtii*, produces an array of unique bioactive complex lipids and fatty acids. After originally sourcing *Chlamydomonas reinhardtii* algal cells from Massachusetts, USA, Active Concepts continues to grow these algal cells in cell culture.

Chlamydomonas reinhardtii cell culture offers the opportunity to grow algal cells under controlled conditions. These methods supply a sustainable source of Chlamydomonas reinhardtii cells without the influence of seasonal harvest, variations in quality, and distruption to the environment for sourcing. The biotechnology of growing algal cells in cell culture can also limit a negative impact on the environment, using less resources (such as water and energy), and reducing transportation and CO_2 outputs while providing the means to create consistent active ingredients.

We want to be transparent in our supply chain from harvest to production. It's important to know where our raw materials come from and where they are going.

Safety & oxicology

Non-phototoxic

Non-irritant to skin

Non-sensitizing Non-irritant to eyes

Non-harmful to aquatic life

