

GLUTEN-FREE • NON-GMO

SUPER E+

400 IU PLUS MIXED TOCOPHEROLS
SELENIUM AND α -LIPOIC ACID

PIONEER Super E+ takes vitamin E to a new level with broad-spectrum mixed tocopherols, selenium and alpha-lipoic acid. Fat-soluble ingredients are micellized to enhance absorption.

Within one generation, vitamin E has gone from being “a cure in search of a disease” to being regarded as one of the most important and versatile of all known antioxidants. Its ability to protect against free radical damage benefits practically every organ and tissue in the body. Free radicals are known to cause or contribute to more than eighty health conditions, including arthritis, cancer, diabetes, heart disease, aging and cataracts. As one of the most well-researched antioxidants, vitamin E has been the subject of over 500 scientific studies.

To enhance the protective effect of the vitamin E in this product, **Super E+** contains additional antioxidants and other nutrients that interact synergistically for added benefit. **Super E+** is specially formulated for maximum absorption in all people – even individuals who have difficulty absorbing fats.

CONSIDER THESE ADVANTAGES:

1. High Levels of All Four Tocopherol Forms.

PIONEER **Super E+** begins with high levels of superior quality, natural *d-alpha-tocopherol* (the most widely researched form of vitamin E), and then adds a rich blend of *beta-*, *delta-*, and *gamma-tocopherols*. All of these tocopherols, as found in nature, have their own unique and important antioxidant properties. For example, the *gamma-* form, predominant in foods, appears to enhance the action of the *d-alpha* form¹ and is superior at inhibiting peroxynitrite, a particularly dangerous type of nitrogen-containing free radical.^{2,3} PIONEER **Super E+** contains higher levels of natural *gamma-* and other mixed tocopherols than most other brands of vitamin E.

2. Alpha-Lipoic Acid.

Because it is both water- and fat-soluble, alpha-lipoic acid is known as a powerful “universal” antioxidant. Dual solubility permits this sulfur-containing fatty acid to function virtually anywhere in the body, where it plays many roles. Alpha-lipoic acid protects and extends antioxidant life by recycling vitamin E, vitamin C and CoQ10. It increases glutathione levels in cells, neutralizes both oxygen and nitrogen free radicals and is essential for cell and muscle energy production, as well as for normal sugar metabolism.^{4,5}

3. Selenium.

One of the most important functions of selenium is as a co-factor of *glutathione peroxidase*, a critical antioxidant enzyme. In addition, selenium and vitamin E work together synergistically to protect cell membrane lipids from damage by oxidation.⁶ **Super E+** contains an effective yet safe amount of selenium, just enough to complement the other ingredients in this formula.

4. Micellization.

Vitamin E is well-absorbed by most individuals, but people who have difficulty absorbing fats in general may suffer from compromised vitamin E uptake. Studies have shown that conditions causing malabsorption of fats (celiac disease, cystic fibrosis, acute or chronic inflammation in the digestive tract or pancreas, diabetes and other chronic diseases) can all limit uptake of vitamin E and other nutrients.⁷ To allow for the maximum absorption possible, all fat-soluble ingredients in PIONEER **Super E+** undergo a patented, natural micellization process (the *Pioneer Micelle Process*TM) that involves using phosphatidyl choline to create extremely tiny fat droplets. These microscopic droplets are able to pass more readily through the digestive tract lining, increasing uptake.

5. True Full-Disclosure Labeling.

All ingredients, their forms, and ratios are fully disclosed on the label of every PIONEER product. Read the label!

Serving Size: 1 softgel	AMOUNT	
Bottles of 30 and 60 softgels	PER SERVING	% DV
Vitamin E (d-alpha-tocopherol)	400 IU	1333
Selenium (1:1 L-selenomethionine : sodium selenite)	50 mcg	71
D-gamma-tocopherol	82 mg	*
D-delta-tocopherol	34.8 mg	*
D-beta-tocopherol	1.8 mg	*
Phosphatidyl choline (from 290 mg of high PC lecithin)	101.5 mg	*
Alpha-lipoic acid	25 mg	*

* Daily Value (DV) not established

Other ingredients: gelatin (capsule), soy oil (vitamin E base), carob powder. CONTAINS NO gluten, wheat, yeast, corn, eggs, dairy, and no added preservative, colors, or flavors.
NATURAL MANUFACTURING AGENTS ONLY. 3.03

REFERENCES 1. Clement M, Bourre JM. Graded dietary levels of RRR-gamma tocopherols include a marked increase in the concentrations of alpha and gamma-tocopherols in nervous tissue, heart, liver and muscle of vit E deficient rats. *Biochem Biophys Acta* 1997 Mar 15; 1334(2-3):173-81; 2. Christen S, Woodall AA, et al. Gamma-tocopherol traps mutagenic electrophiles such as NO(X) and complements alpha-tocopherol: physiological implications. *Proc Natl Acad Sci USA* 1997 Apr 1; 94(7):3217-22; 3. Cooney RV, Franke, AA, et al. Gamma-tocopherol detoxification of nitrogen dioxide: superiority to alpha-tocopherol. *Proc Nat Acad Sci USA* 1993 Mar 1; 90(5):1771-5; 4. Packer L, et al. Alpha-lipoic acid as a biological antioxidant. *Free Radical Biol & Med* 1995;19:227-250; 5. Jacobs S, et al. Enhancement of glucose disposal in patients with type 2 diabetes by alpha-lipoic acid. *Arzneimittel-Forschung* 1997;45:872-874; 6. Douillet C, et al. Effect of selenium and vitamin E supplements on tissue lipids, peroxides and fatty acid distribution in experimental models. *Lipids* 1998 Apr;33(4):393-9; 7. Yokota T, et al. Vitamin E deficiency in acquired fat malabsorption. *J Neuro* 1990 Apr; 237:103-6

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.