

Biotics Research Corporation Product Showcase Aqueous Selenium™

Dietary Supplement

For Healthcare Professionals Only

Selenium is an essential element, classified in a group of proteins called the selenoproteins, which are synthesized through the involvement of sulfur-containing amino acids and selenium. Selenium, officially recognized as an essential trace element in 1990, has been indicated to be beneficial as a an immune enhancer, as a synergist to vitamin E, as a protectant against harmful exposure to heavy metals, in particular mercury, and as a co-factor for glutathione peroxidase, which acts as a coenzyme in a number of oxidation-reduction reactions. It is also particularly important in males, as a regulator of male hormones and as a supporter of prostate function. Selenium and vitamin E both play important roles in the detoxification of peroxides and free radicals.

An additional action of selenium is its integral part of the enzyme type I iodothyronine deiodinase, which catalyzes the deiodination of the iodothyronines. This action is notably the deiodination of thyroxine (T4) to triiodothyronine (T3), which is the most active of thyroid hormones. Selenium is also an essential element in the selenoproteins, a group of proteins whose reactions involve sulfur-containing amino acids and selenium. These are in turn joined via selenophosphate to form selenocysteine. The most widely studied selenoprotein is glutathione peroxidase, which catalyzes the reduction of various organic peroxides as well as hydrogen peroxide.

The supplementation of selenium has also been studied in the critically ill population. It has been noted that in critical illness, selenium levels decline. Supplemental selenium has been shown to significantly improve patient outcomes. This has been postulated to be due to the antioxidant effects of selenium, since the inflammatory response to critical illness leads to massive production of free radicals.



Supplement Facts

Serving Size: 1 Drop
Servings Per Container: 300

	Amount Per Serving	% Daily Value
Selenium (as sodium selenate)	95 mcg	136%

Other ingredients: Purified water, sodium benzoate and potassium sorbate (as a preservative).

RECOMMENDATION: One (1) drop each day as a dietary supplement or as otherwise directed by a healthcare professional.

KEEP OUT OF REACH OF CHILDREN

Store in a cool, dry area.
Sealed with an imprinted safety seal for your protection.

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Product #: I728 Contains: 0.5 fluid ounces (15 ml)

 **NPN#: 80021782**

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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.