

Biotics Research Corporation Product Showcase

# CoQ-Zyme 30™

# CoQ-Zyme 100 Plus™



## For Healthcare Professionals Only

**CoQ-Zyme 30™:** Each tablet of **CoQ-Zyme 30™** supplies 30 mg of emulsified coenzyme Q<sub>10</sub>, as well as 30 mcg each of Superoxide Dismutase (SOD) and Catalase, key antioxidant enzymes from our exclusive Vegetable Culture.

**CoQ-Zyme 100 Plus™:** Each capsule of **CoQ-Zyme 100 Plus™** supplies 100 mg of emulsified coenzyme Q<sub>10</sub>, as well as a full complement of important B vitamins, with each capsule supplying 100% of the Daily Value of B-complex vitamins, along with 80 mcg each of SOD and Catalase from our exclusive Vegetable Culture.

Based on a double blind clinical study, daily ingestion of 1 tablet (30 mg) of Biotics Research Corporation's emulsified CoQ<sub>10</sub> for 4 weeks was demonstrated to increase plasma CoQ<sub>10</sub> levels by 210%, equivalent to 90-100 mg of dry CoQ<sub>10</sub>. Furthermore, dry CoQ<sub>10</sub> powder increased serum levels in only 57% of subjects, while the Biotics Research Corporation emulsified CoQ<sub>10</sub> produced an increase in serum CoQ<sub>10</sub> levels in 80% of the subjects.<sup>1,2</sup>

Importantly, Biotics Research uses no soy byproducts, no artificial flavors or colorants, no propylene glycol, and no detergents or other artificial surfactants in our proprietary emulsification process.

As a cellular component, CoQ<sub>10</sub> has two primary functions in the body; first, to act in the transfer of electrons as a necessary part of ATP production, and second, to function as an essential antioxidant. CoQ<sub>10</sub> participates in all energy processes in the body, and has been termed "the hub around which life processes revolve in the human body."<sup>3</sup> It also plays a vital role in the cellular membrane, functioning in its stability, fluidity and permeability, in addition to stimulating cell growth and inhibiting cell death.<sup>4,5,6</sup>

In the body there is no means for storage for CoQ<sub>10</sub>, thus it must be made or replenished on a daily basis. Its synthesis in the cell mitochondria involves a complex 17-step process, which is dependent upon at least seven vitamin cofactors, including riboflavin (vitamin B<sub>2</sub>), niacin (vitamin B<sub>3</sub>), vitamin B<sub>6</sub>, vitamin B<sub>12</sub>, pantothenic acid (vitamin B<sub>5</sub>), folic acid, and vitamin C, along with several trace elements. In humans, the highest concentrations of CoQ<sub>10</sub> are found in the heart, liver, muscle, kidney and brain.

CoQ<sub>10</sub> is an organic, nonprotein molecule which is ubiquitous in the cellular matrix. The fact that it is

*For additional information please contact us:*

**Biotics Research Corporation • (800) 231 - 5777**  
**6801 Biotics Research Drive • Rosenberg, TX 77471**  
**biotics@bioticsresearch.com**  
**www.bioticsresearch.com**

LIT-107 Rev. 1/12 © Copyright 2010, 2011, 2012

**BIOTICS**  
**RESEARCH**  
CORPORATION  
*"The Best of Science and Nature"*  
[www.bioticsresearch.com](http://www.bioticsresearch.com)

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.

ubiquitous initiated its primary designation, that of ubiquinone.

Ubiquinone and ubiquinol, the reduced form of CoQ<sub>10</sub>, are known as redox pairs, meaning that in the cellular matrix they cycle back and forth. These two entities are rapidly inter-converted, regardless of the form ingested. Of importance to note is that the body naturally produces ubiquinone and not ubiquinol. Human studies utilizing ubiquinol are lacking, thus claims on its superiority are presently invalid. Conversely, CoQ<sub>10</sub> or ubiquinone has been utilized in hundreds of clinical studies, which have demonstrated its benefits for cardiovascular health, as well as for numerous other health issues.

**References**

1. Stiles J, Sparks B, Klenda B, Pillors M, Bucci L. Enhanced blood levels of coenzyme Q10 from an emulsified form. Second Symposium on Nutrition and Chiropractic Proceedings. 1989 Apr;15-16.
2. Stiles J, Sparks B, Klenda B, Pillors M, Bucci L. Enhanced uptake in humans of coenzyme Q10 from an emulsified form. Third International Congress of Biomedical Gerontology. June, 1989.
3. Judy WV, Stogsdill WW, Judy DS, Jusy JS. Coenzyme Q10 Facts or Fabrications.
4. Crane FL. Biochemical functions of coenzyme Q10. J Am Coll Nutr. 2001;20:591-598.
5. Niki E. Mechanisms and dynamics of antioxidant action of ubiquinol. Mol Aspects Med. 1997;18:S63-70. doi: 10.1016/S0098-2997(97)00035-6.
6. Jones K, Hughes K, Mischley L, McKenna DJ. Coenzyme Q-10: efficacy, safety, and use. Altern Ther Health Med. 2002;8:42-55. quiz 56,138.

**CoQ-Zyme 30™**

**CoQ-Zyme 100 Plus™**

**Supplement Facts**

Serving Size: 1 Tablet

	Amount Per Serving	% Daily Value
Coenzyme Q <sub>10</sub>	30 mg	*
Superoxide Dismutase (from vegetable culture†)	30 mcg	*
Catalase (from vegetable culture†)	30 mcg	*

\* Daily Value not established

**Other ingredients:** Cellulose, acacia, stearic acid (vegetable source), modified cellulose gum, magnesium stearate (vegetable source), silica, and food glaze.

† Specially grown, biologically active vegetable culture containing naturally occurring and/or organically bound phytochemicals including polyphenolic compounds with SOD and catalase, dehydrated at low temperature to preserve associated enzyme factors.

**RECOMMENDATION:** One (1) tablet 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.

NDC #55146-02615 Rev. 11/08

**Supplement Facts**

Serving Size: 1 Capsule

	Amount Per Serving	% Daily Value
Thiamin (B1) (as cocarboxylase chloride)	1.5 mg	100%
Riboflavin (B2) (as riboflavin-5-phosphate)	1.7 mg	100%
Niacin (as niacin & niacinamide)	20 mg	100%
Vitamin B6 (as pyridoxal-5-phosphate)	2 mg	100%
Folate (as calcium folinate)	400 mcg	100%
Vitamin B12 (as methylcobalamin)	6 mcg	100%
Biotin	300 mcg	100%
Pantothenic acid (as calcium pantothenate)	10 mg	100%
Coenzyme Q10 (emulsified)	100 mg	*
Superoxide Dismutase (from vegetable culture†)	80 mcg	*
Catalase (from vegetable culture†)	80 mcg	*

\* Daily Value not established

**Other ingredients:** Capsule shell (gelatin and water), gum arabic and magnesium stearate (vegetable source).

† Specially grown, biologically active vegetable culture containing naturally associated phytochemicals including polyphenolic compounds with SOD and catalase, dehydrated at low temperature to preserve associated enzyme factors.

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

**Caution:** Not recommended for pregnant women.

**KEEP OUT OF REACH OF CHILDREN**

Store in a cool, dry area.

Sealed with an imprinted safety seal for your protection.

NDC#55146-02617 Rev. 07/11

For additional information please contact us:

**Biotics Research Corporation • (800) 231 - 5777**  
**6801 Biotics Research Drive • Rosenberg, TX 77471**  
**biotics@bioticsresearch.com**  
**www.bioticsresearch.com**

LIT-107 Rev. 1/12 © Copyright 2010, 2011, 2012



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.