



FREQUENTLY ASKED QUESTIONS

How does lifepak® nano improve delivery of certain fat-soluble vitamins?

While some nutrients in lifepak® nano have been enhanced through nanotechnology, yet others have been enhanced through their delivery in LipoNutrient™ form. Fat soluble nutrients such as vitamins A, D, E, and K have been included as part of the CR-6 softgel capsules. Because these fat soluble nutrients are delivered in a matrix of essential omega-3 fatty acids, they are pre-dissolved for superior bioavailability.

How does lifepak® nano meet or exceed the requirements for a bona fide “nanotechnology” product?

Lifepak nano meets federal requirements of a nanotechnology product. This term is defined by the FDA as research and technology or development of products regulated by FDA that involve all of the following: the existence of materials or products at the atomic, molecular or macromolecular levels, where at least one dimension that affects the functional behavior of the product is in the length scale range of approximately 1-100 nanometers; the creation and use of structures, devices and systems that have novel properties and functions because of their small size; and, the ability to control or manipulate the product on the atomic scale.

What is nanotechnology?

As applicable to nutrition, nanotechnology is the manipulation of nutrients at the molecular level to enhance their benefits to the body. A nanometer represents 1 billionth of a meter, and provides a useful unit for measuring ultra-small molecules. The application of nanotechnology employed by Pharmanex is a mono-molecular encapsulation where single molecules of important nutrients are embedded into single nanocapsule molecules. Since every single molecule of each nanoized-nutrient is wrapped in its own individual nanocapsule there is complete molecular dispersion of the fat-soluble nutrients. With complete molecular dispersion, the surface area of the nutrient is maximized as is its contact with the lining of the gastrointestinal tract. The nutrient is absorbed through the gut, and the encapsulating-molecule is left behind where it is degraded by digestive enzymes.

What does CR-6 LipoNutrients™ stand for?

Each serving of lifepak® nano is delivered in a convenient twin sachet packet; one side contains five dry capsules, and the other side contains two CR-6 softgel capsules. The meaning of the name CR-6 stands for the six carotenoids (CR=carotenoid) present in the softgel capsule. In addition to the six carotenoids, Vitamins A, D, E, and K are delivered along with essential omega-3's (equivalent in potency to a serving of MarineOmega). The name CR-6 LipoNutrients refers to all the contents of the softgel, all of which are fat-soluble nutrients; and all of which are enhanced through pre-fat-dissolved delivery, or enhanced with nanotechnology.

Who should take lifepak® nano?

Lifepak® nano is intended for adults (ages 18 and up) who are looking for the most advanced and comprehensive dietary health & wellness supplement. Lifepak® nano is ideal for individuals who were previously taking either LifePak® regular, LifePak® Prime, or LifePak® Women, in conjunction with MarineOmega. Due to lifepak® nano's unique delivery of certain antioxidant, it is also ideal for individuals who feel they are genetically predisposed to poor absorption of carotenoids. Also, persons prone to supplement-induced nausea may find that lifepak® nano's sources of minerals are better tolerated.

Do I Still Need to Take MarineOmega™ if I take lifepak nano?

Previous to the introduction of lifepak® nano, all LifePak family products were recommended to be taken with MarineOmega. Each serving of lifepak® nano delivers the same levels of EPA and DHA as found in a serving of MarineOmega. If you continue taking any LifePak family product other than lifepak® nano, it is still recommended that you take MarineOmega.

Why is important to take lifepak nano twice a day?

Lifepak® nano is a comprehensive supplement that contains a potent blend of essential micro- and macro-nutrients, as well as semi-essential nutrients shown to be generally beneficial to long-term health and well-being. It should be taken twice daily to provide your body with optimal saturation and absorption of vitamins and minerals. Twice daily delivery also provides your body 24-hour antioxidant protection of water soluble antioxidants that are flushed out of the body throughout the day.

What are the 60+ antioxidants in lifepak® nano?

All-trans-beta-carotene, 11-cis-beta-carotene, 13-cis-beta-carotene, vitamin A, buffered vitamin C, all 8 forms of natural vitamin E (d-alpha-tocopherol, d-beta-tocopherol, d-gamma-tocopherol, d-delta-tocopherol, d-alpha-tocotrienol, d-beta-tocotrienol, d-gamma-tocotrienol, d-delta-tocotrienol), selenium, copper, zinc, manganese, all-trans-lycopene, all-trans-alpha-carotene, cis-lycopene, all-trans-lutein, all-trans-astaxanthin, 9-cis-astaxanthin, 13-cis-astaxanthin, all-trans-zeaxanthin, epicatechin (EC), epigallocatechin (EGC), epicatechin gallate (ECg), epigallocatechin gallate (EGCg), DL-Catechin (DL-C), kaempferol glycoside, myricetin glycoside, grape seed polyphenols (dimers, gallates, trimers, digallate, trimer gallate, tetramer, tetramer gallate, pentamer, trimer digallate, tetramer digallate, hexamer, pentamer digallate, tetramer trigallate, hexamer gallate, pentamer trigallate, hexamer digallate, heptamer, and heptamer gallate), quercetin, naringenin, hesperidin, 4 resveratrol polyphenols (trans-resveratrol, cis-resveratrol, trans-piceid, cis-piceid), novel krill flavonoid (not yet named), alpha-lipoic, N-acetyl-L-cysteine, coenzyme Q10.

What is an antioxidant network?

There are hundreds of different antioxidants that can help fight free radicals and reactive oxygen species. Researchers have found that the body utilizes a broad range of antioxidants that work together to provide the body with optimal free radical protection. These antioxidants work synergistically to protect all of the delicate DNA tissue in the body from free radical attack. It has been found that if just one or two of these antioxidants are deficient that other antioxidants in the body are not able to function properly. Moreover, because of this antioxidant network, humans have a need to supplement a broad range of antioxidants into the diet, as found in lifepak nano's 60+ antioxidants.*