

Black Currant Seed Oil

Provides a Rich, Naturally Occurring Source of Gamma-Linolenic Acid, an Important Essential Fatty Acid

Essential fatty acids (EFAs) cannot be made by the body so they must be obtained through the diet. They are needed for regulating cellular processes, such as regulation of enzymes, cell-signaling pathways, gene expression, and oxidation of fats. EFAs also influence membrane function and integrity, produce hormones, and are especially important for making prostaglandins. Gamma-linolenic acid (GLA) is a derivative of the EFA linoleic acid (LA). The body converts LA into GLA via the delta-6 desaturase (D-6-D) enzyme. This enzyme can be impaired, which may lead to GLA deficiency. GLA is necessary to produce eicosanoids. Eicosanoids are signaling molecules—prostaglandins, thromboxanes, leukotrienes—that are involved in the body's natural process of regulating the inflammatory response. Supplementing with GLA-rich foods, like black currant seed oil, directly provides the body with GLA to support healthy anti-inflammatory functions.†

How Black Currant Seed Oil Keeps You Healthy

Keeps your heart healthy

The fatty acids contained in black currant seed oil may promote arterial health by maintaining healthy lipid levels. Both the GLA and stearic acid found in black currant seed oil promote normal clotting times to support healthy blood flow.†

Supports healthy joints and bones

GLA supports healthy joints by supporting a healthy natural anti-inflammatory response function. GLA is a precursor to an eicosanoid called PGE1, a prostaglandin that regulates the inflammatory response function. Studies have also shown that prostaglandins are involved with the regulation of bone metabolism. EFAs, in particular gamma-linolenic acid (GLA) and eicosapentaenoic acid (EPA), have been shown to enhance calcium absorption in bone. EPA is an essential fatty acid derivative of alpha-linolenic acid (ALA) which is another EFA present in black currant seed oil.†

Maintains normal nerve functioning

Current research suggests that maintaining adequate stores of GLA in the body promotes normal transmission of nerve impulses. Fatty acids are also necessary for normal development and brain function.†

Promotes women's health

Fatty acid deficiency, specifically GLA deficiency, has been associated with premenstrual syndrome. Prostaglandin E₁ (PGE1), the prostaglandin that is produced from GLA, regulates natural inflammatory responses to support healthy premenstrual function.†

Please copy for your patients.

GF This product contains less than 10 parts per million of gluten per serving size or less than 20 parts per million per the suggested use listed on each product label.

†These statements have not been evaluated by the Food & Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.



Introduced in 1986

GF

Content:

60 perles

Suggested Use: One perle per meal, or as directed.

Supplement Facts:

Serving Size: 1 tablet

Servings per Container: 60

	Amount per Serving	%DV
Calories	2	
Black Currant (Seed) Oil	320 mg	
Gamma-linolenic Acid	47 mg	

Ingredients: See Supplement Facts.

Other Ingredients: Gelatin, glycerin, water, and carob.

Sold through health care professionals.



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Black Currant Seed Oil

How Black Currant Seed Oil Keeps You Healthy (continued)

Supports healthy skin

GLA maintains a healthy level of moisture in the skin, thereby supporting its water-loss barrier function. Low levels of GLA have been linked to dry skin in both animals and humans, which may be due to lack of support for the D-6-D enzyme system.[†]

Promotes healthy immune response

PGE1 works to maintain healthy T-cell activity in the body when foreign substances enter the body and attempt to invade healthy cells.[†]

Supports normal tear production

Essential fatty acid supplementation supports normal tear production.[†]

What Makes Black Currant Seed Oil Unique

Product Attributes

Each perle supplies 320 mg black currant seed oil and 47 mg of naturally occurring GLA

- › Standard Process has the highest-quality black currant seed oil, delivering the maximum amount of GLA available in this form
- › GLA supports and maintains healthy immune function to help the body meet the challenges of everyday living[†]

Manufacturing and Quality-Control Processes

Not disassociated into isolated components

- › The nutrients in Black Currant Seed Oil are processed to remain intact, complete nutritional compounds

Degreed microbiologists and chemists in our on-site laboratories continually conduct bacterial and analytical tests on raw materials, product batches, and finished products

- › Ensures consistent quality and safety

Vitamin and mineral analyses validate product content and specifications

- › Assures high-quality essential nutrients are delivered

Whole Food Philosophy

Our founder, Dr. Royal Lee, challenged common scientific beliefs by choosing a holistic approach of providing nutrients through whole foods. His goal was to provide nutrients as they are found in nature—in a whole food state where he believed their natural potency and efficacy would be realized. Dr. Lee believed that when nutrients remain intact and are not split from their natural associated synergists—known and unknown—bioactivity is markedly enhanced over isolated nutrients. Following this philosophy, even a small amount of a whole food concentrate will offer enhanced nutritional support, compared to an isolated or fractionated vitamin. Therefore, one should examine the source of nutrients rather than looking at the quantities of individual nutrients on product labels.

Studies on nutrients generally use large doses and these studies, some of which are cited below, are the basis for much of the information we provide you in this publication about whole food ingredients. See the supplement facts for Black Currant Seed Oil.

- Brush, M. G., Watson, S. J., Horrobin, D. F., & Manku, M. S. (1984). Abnormal essential fatty acid levels in plasma of women with premenstrual syndrome. *Am J Obstet Gynecol*, 150(4), 363-366.
- Chenoy, R., Hussain, S., Tayob, Y., O'Brien, P. M., Moss, M. Y., & Morse, P. F. (1994). Effect of oral gamma-linolenic acid from evening primrose oil on menopausal flushing. *Bmj*, 308(6927), 501-503.
- Horrobin, D. F. (2000). Essential fatty acid metabolism and its modification in atopic eczema. *Am J Clin Nutr*, 71(1 Suppl), 367S-372S.
- Horrobin, D. F., & Manku, M. S. (1989). Premenstrual syndrome and premenstrual breast pain (cyclical mastalgia): disorders of essential fatty acid (EFA) metabolism. *Prostaglandins Leukot Essent Fatty Acids*, 37(4), 255-261.
- Kawaguchi, H., Pilbeam, C. C., Harrison, J. R., & Raisz, L. G. (1995). The role of prostaglandins in the regulation of bone metabolism. *Clin Orthop Relat Res*(313), 36-46.
- Kettler, D. B. (2001). Can manipulation of the ratios of essential fatty acids slow the rapid rate of postmenopausal bone loss? *Altern Med Rev*, 6(1), 61-77.
- Kruger, M. C., Coetzer, H., de Winter, R., Gericke, G., & van Papendorp, D. H. (1998). Calcium, gamma-linolenic acid and eicosapentaenoic acid supplementation in senile osteoporosis. *Aging (Milano)*, 10(5), 385-394.
- Norrdin, R. W., Jee, W. S., & High, W. B. (1990). The role of prostaglandins in bone in vivo. *Prostaglandins Leukot Essent Fatty Acids*, 41(3), 139-149.
- Puolakkka, J., Makarainen, L., Viinikka, L., & Ylikorkala, O. (1985). Biochemical and clinical effects of treating the premenstrual syndrome with prostaglandin synthesis precursors. *J Reprod Med*, 30(3), 149-153.
- Takahashi, H. K., Xue, D., Iwagaki, H., Tamura, R., Katsuno, G., Yagi, T., et al. (2005). Prostaglandin E1-initiated immune regulation during human mixed lymphocyte reaction. *Clin Immunol*, 115(1), 85-92.
- Wu, D., Meydani, M., Leka, L. S., Nightingale, Z., Handelman, G. J., Blumberg, J. B., et al. (1999). Effect of dietary supplementation with black currant seed oil on the immune response of healthy elderly subjects. *Am J Clin Nutr*, 70(4), 536-543.
- Yen, C. H., Dai, Y. S., Yang, Y. H., Wang, L. C., Lee, J. H., & Chiang, B. L. (2008). Linoleic acid metabolite levels and transepidermal water loss in children with atopic dermatitis. *Ann Allergy Asthma Immunol*, 100(1), 66-73.

