

CandiKill II



- *Candida albicans*
- *Fungal infections*
- *Yeast infections*
- *Digestive Tract*



Nutritional Frontiers

"breaking through nutritional boundaries"



Candikill II

Candida and Fungal Infections Support



Candikill II was formulated to target *Candida albicans* and other fungal infections.* *Candida* infections can produce various symptoms depending on the area of infection. Once you and your healthcare practitioner have determined that you are suffering from a candida infection, Candikill II can play an important role in reducing this type of infection.* Dietary changes are also crucial in reversing *Candida* overgrowth, which your doctor will discuss with you.* It is usually suggested that one take a good quality probiotic while trying to eradicate *Candida*, such as SBC by Nutritional Frontiers.

About the Ingredients

Berberine - is an alkaloid (type of plant constituent) derived from various wild plants with yellow roots, such as goldenseal, Oregon grape root, barberry, and goldthread. Studies in vitro, in animals, and in humans have demonstrated that berberine exhibits broad spectrum anti-fungal and anti-bacterial activity. Berberine has also been shown to be useful in the case of anti-fungal resistance. In other words, in the same way that overuse of antibiotics has resulted in antibiotic-resistant strains of bacteria, so to there are antifungal-resistant cases of *Candida* infection.

Caprylic Acid - is a medium-chain fatty acid commonly included in natural antifungal supplements. Some studies have shown that caprylic acid inhibits *Candida* growth. A 2012 Japanese study in mice demonstrated that caprylic acid was effective against both mycelial growth and yeast-form growth of *Candida albicans* in oral candidiasis. Caprylic acid may have some antibacterial properties as well.

Olive leaf extract - has been used by herbalists and in traditional folk medicines for many years to treat a variety of conditions. The olive tree is a small, evergreen tree native to the Mediterranean region. A 2013 Pakistani study verified that olive leaf extract shows antifungal and antibacterial potential. Another 2013 study showed that olive extracts exhibited strong antimicrobial activity against various bacteria. Olive leaves not only possess antimicrobial characteristics, but also demonstrate antioxidant activity.

Grapefruit seed extract - was discovered by an American immunologist in 1980. It has been used to combat *Candida* and other infections. An in vitro study conducted in Poland showed that grapefruit seed extract exerted potent antifungal activity against various *Candida* yeast strains.

Garlic - has been revered for thousands of years as a culinary and medicinal plant. Garlic is mentioned in the Bible, the Talmud, and by ancient physicians such as Hippocrates, Galen, Pliny the Elder, and Dioscorides. Garlic is often included in anti-microbial formulas. Modern research confirms its traditional use in fighting infections. Garlic also shows promise in preventing atherosclerosis, lowering cholesterol, and reducing excessive platelet adhesion.

Pumpkin Seed - With a wide variety of nutrients ranging from magnesium and manganese to copper, protein and zinc, pumpkin seeds are nutritional powerhouses wrapped up in a very small package. Because these are high-fiber seeds, they're able to boost your fiber intake, helping you reach the ideal amount of 50 grams per 1,000 calories consumed. Pumpkin seed oil has been found to exhibit anti-inflammatory effects. One animal study even found it worked as well as the anti-inflammatory drug indomethacin in treating arthritis, but without the side effects. (8)

Thyme extract - is derived from the fragrant thyme plant, which is probably best known for its culinary use. Thyme also has many traditional medicinal uses: herbalists have used thyme for treating people with bronchitis, cough, upset stomach, whooping cough, and infections. Various studies have examined and verified the antimicrobial effects of thyme extract and thyme essential oil.

Oregano oil - extracted from the leaf of oregano has been shown to have antifungal action, according to in vitro studies. In particular, one study showed benefits of oregano oil specifically against *Candida albicans*. Oregano is prized for both its culinary and medicinal applications, and is native to the Mediterranean region but is cultivated world-wide.

SUPPLEMENT FACTS

Serving Size 4 Capsules

Servings Per Container 30 or 60

Amount Per Serving

Berberine (as Berberine HCl)	400 mg
Caprylic Acid (as sodium caprylate)	300 mg
Olive (<i>Olea europaea</i>) Leaf Extract	333 mg
Grapefruit (<i>Citrus x paradisi</i>) Seed Extract	250 mg
Garlic (<i>Allium sativum</i>) Bulb	250 mg
Pumpkin Seed	200 mg
Thyme (<i>Thymus vulgaris</i>) Aerial Extract	100 mg
Oregano (<i>Origanum vulgare</i>) Aerial Extract	100 mg
Sodium	45 mg

Other Ingredients: Vegetable cellulose, water and microcrystalline cellulose

Suggested Use: As a dietary supplement, take 4 capsules per day in the AM, or as directed by your healthcare practitioner.

Warning: If pregnant or nursing, consult your healthcare practitioner before taking this product.

*Hahn FE, Clark J. Berberine. *Antibiotics* 1976;3:577-88 (review).
*Mahajan VM, Sharma A, Rattan A. Antimicrobial activity of berberine sulphate: an alkaloid from an Indian medicinal herb. *Sabouraudia* 1982;20:79-81.
*Liu X, Han Y, Peng K. Effect of traditional Chinese medicinal herbs on *Candida* spp. from patients with HIV/AIDS. *Adv Dent Res*. 2011 Apr;23(1):56-60.
*Takahashi M, Inoue S, Hayama K, et al. Inhibition of *Candida* mycelial growth by a medium chain fatty acids, capric acid in vitro and its therapeutic efficacy in murine oral candidiasis. *Med Mycol J*. 2012;53(4):255-61.
*Skvircina E, Medvetova Z, Maronek W. Effects of caprylic acid and triacylglycerols of both caprylic and capric acid in rabbits experimentally infected with enteropathogenic *Escherichia coli* O103. *Vet Microbiol*. 2008 Jan; 25:126(4):372-6.
*Amin A, Khan MA, Shah S, et al. Inhibitory effects of *Olea ferruginea* crude leaves extract against some bacterial and fungal pathogens. *Pak J Pharm Sci*. 2013 Mar;26(2):251-4.
*Friedman H, Henkin PL, Levin CE. Bactericidal activities of health-promoting food-derived powders against the foodborne pathogens *Escherichia coli*, *Listeria monocytogenes*, *Salmonella enterica*, and *Staphylococcus aureus*. *J Food Sci*. 2013 Feb;78(2):M270-5.
*Lee OH, Lee BY. Antioxidant and antimicrobial activities of individual and combined phenolics in *Olea europaea* leaf extract. *Bioresour Technol*. 2010 May;101(10):3751-4.
*Krajewska-Kulak E, Lukaszuk C, Nicyporuk W. [Effects of 33% grapefruit extract on the growth of the yeast-like fungi, dermatophytes, and moulds]. *Wiad Parazytol*. 2003;47(4):845-9.
*Berkson D. *Lindsay: Healthy Digestion the Natural Way*. New York: John Wiley & Sons, Inc., 2000. Print.
*Mantavy MM, Ali HF, Rizk MZ. Therapeutic effects of *Allium sativum* and *Allium cepa* in *Schistosoma mansoni* experimental infection. *Rev Inst Med Trop Sao Paulo*. 2011 May Jun;53(3):155-63.
*Yakoub J, Abbas Z, Beg MA, et al. In vitro sensitivity of *Blastocystis hominis* to garlic, ginger, white cumin, and black pepper used in diet. *Parasitol Res*. 2011 Aug;109(2):379-85.
*Josling P. Preventing the common cold with a garlic supplement: a double-blind, placebo-controlled survey. *Adv Ther* 2001;18:189-93.
*Kocseinny J, Kuzlender D, Laza R, et al. The anti-atherosclerotic effect of *Allium sativum*. *Atherosclerosis* 1999;144:237-49.
*Neil HAW, Silagy CA, Lancaster T, et al. Garlic powder in the treatment of moderate hyperlipidaemia: A controlled trial and a meta-analysis. *J R Coll Phys* 1996;30:329-34.
*Kiesewetter H, Jung F, Pindur G, et al. Effect of garlic on thrombocyte aggregation, microcirculation and other risk factors. *Int J Pharm Ther Toxicol* 1991;29(4):151-5.
*Ninomiya H, Hayama K, Ishijima S, et al. Effects of inhibitory activity on mycelial growth of *Candida albicans* and therapy for murine oral candidiasis by the combined use of terpenes-*l*-ol and a middle chain fatty acid, capric acid. *Yakugaku Zasshi*. 2013;133(1):133-40.
*Ahmad A, van Vuuren S, Viljoen A. Unravelling the complex antimicrobial interactions of essential oils—the case of *Thymus vulgaris* (thyme). *Molecules*. 2014 Mar 6;19(3):2896-910.
*Bumenfal M, Busse WR, Goldberg A, et al. The Complete German Commission E Monographs: Therapeutic Guide to Herbal Medicines. Newton, MA: Integrative Medicine Communications, 1998. 219-20.
*Espitia PJ, Avena-Bustillos RJ, Du WX, et al. Physical and antibacterial properties of acal edible films formulated with thyme essential oil and apple skin polyphenols. *J Food Sci*. 2011 Apr; 17.
*Hammer KA, Carlson CF, Riley TV. In-vitro activity of essential oils, in particular Melaleuca alternifolia (tea tree) oil and tea tree oil products, against *Candida albicans*. *J Antimicrob Chemother* 1998;42:591-5.
*Siles JC, Sparks W, Rondon RA. The inhibition of *Candida albicans* by oregano. *J Applied Nutr* 1995;47:96-102.
*(8) *Food Research International* Volume 42, Issues 5-6 June-July 2009, Pages 641-646

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