



Opti Ova[®]

Female Wellness Kit

- Provides comprehensive nutritional support, with therapeutic dosages, for diverse factors affecting reproductive health
- Broad-spectrum antioxidants reduce oxidative stress and damage, and enhance mitochondrial function, key determinants of oocyte function and quality
- Provides the most bioavailable forms of nutrients, including pyridoxal 5'-phosphate, *d*-alpha tocopheryl, vitamin D3, methylcobalamin, and (6S)-5-methyltetrahydrofolic acid
- Supports proper endometrial blood flow, supplying nutrients, removing toxins and reactive oxygen species (ROS) from the endometrium, and encouraging proper implantation

Code: 9810 **Size:** 60 Packets
NPN: 80093441



PRODUCT SUMMARY

Opti Ova is a comprehensive female reproductive support kit that provides an effective combination of key antioxidants, omega-3 fatty acids, vitamins, and minerals shown to improve egg quality and enhance fertility. By optimizing mitochondrial function, reducing oxidative stress, supporting blood flow to the endometrium and its development, and enhancing detoxification pathways, Opti Ova provides a broad base of nutritional support for reproductive health.

Mitochondrial activity is a key factor in oocyte function and quality, with mitochondrial dysfunction recognized as a major cause of age-induced decline in oocyte quality.^{1,2} Key nutrients, including PQQ, resveratrol, and CoQ10, have been shown to induce mitochondrial biogenesis,³ counteract ovarian aging,^{4,5} and when combined with clomiphene citrate, CoQ10 supplementation resulted in a more than 6-fold increase in the clinical pregnancy rate than clomiphene alone, in a randomized prospective trial of participants with PCOS.⁶

N-acetylcysteine provides the limiting factor for glutathione production, essential for detoxification of many pollutants which interfere with reproductive function; it has also been shown to improve pregnancy rates and endometrial thickness when compared to standard treatments for PCOS, such as clomiphene and metformin.⁷ L-carnitine, Japanese knotweed, and magnesium also benefit women with PCOS.⁸

Opti Ova includes vitamins D and E, omega-3 fatty acids, key minerals, and bioavailable B vitamins which act as potent antioxidants and support optimal endometrial health and implantation.⁹⁻¹² Vitamin E supplementation alone has been shown to shorten the time to pregnancy among women older than 35 seeking treatment for unexplained infertility, while vitamin D has been linked to implantation rates and IVF outcomes, with the highest levels linked to the highest pregnancy rates.¹³⁻¹⁶



Serving Size: 1 Packet
Servings per Container: 60

Each Packet Contains One of Each of the Following Supplements: BioPQQ®; N-Acetyl-L-Cysteine and Alpha-Lipoic Acid; B Complex-Pro; L-Carnitine; Resveratrol with Grape Seed Extract; Vitamin E 400 with Selenium; Magnesium Bisglycinate; OptiMega-3® with Vitamin D3.

Recommended Adult Dose: 1 packet per day with food or as directed by a health care practitioner. **Source of Antioxidants:** Consult a health care practitioner for use beyond 3 months.

Recommended Use: Source of vitamins and minerals that factor in the maintenance of good health, in normal growth and development, liver function, and normal function of the immune system. Supports energy metabolism, connective tissue formation, and the development and maintenance of bones, cartilage, teeth, and gums. Helps maintain and support cardiovascular health. Helps reduce the risk of neural tube defects when taken daily at least three months prior to becoming pregnant and during early pregnancy. Helps support normal early fetal development (brain and spinal cord). Provides antioxidants that help protect against oxidative stress.

BioPQQ®

Each Softgel Contains:

Coenzyme Q10 (Microorganism) (whole cell)200 mg
BioPQQ® Pyrroloquinoline Quinone (Disodium Salt)17.65 mg
SUN-E 900™ Vitamin E (*d*-Alpha Tocopherol)
(*Helianthus annuus*) (seed) 5 IU (3.35 mg AT*)
*Alpha Tocopherol

Non-medicinal Ingredients: Softgel (gelatin, glycerin, purified water, carob powder), organic flaxseed oil, yellow beeswax, non-GMO sunflower oil, lecithin.

N-Acetyl-L-Cysteine and Alpha-Lipoic Acid

Each Tablet Contains:

NAC (N-Acetyl-L-Cysteine)250 mg
Alpha-Lipoic Acid300 mg

Non-medicinal Ingredients: Microcrystalline cellulose, dibasic calcium phosphate dihydrate, stearic acid, vegetable grade magnesium stearate (lubricant), clear coating (carbohydrate gum [cellulose], glycerin), silica, croscarmellose sodium.

B Complex-Pro

Each Capsule Contains:

Vitamin B1 (Thiamine Hydrochloride, Benfotiamine).....31.7 mg
Vitamin B2 (Riboflavin 5'-Phosphate Sodium) 10 mg
Niacin (Inositol Hexanicotinate)..... 100 mg
Vitamin B5 (Calcium *d*-Pantothenate)..... 100 mg
Vitamin B6 (Pyridoxal 5'-Phosphate Monohydrate).....25 mg
Vitamin B12 (Methylcobalamin)500 mcg
Folate (from (6S)-5-Methyltetrahydrofolic Acid (MTHF),
Glucosamine Salt, Quatrefolic®) 400 mcg
Biotin250 mcg
Choline Dihydrogen Citrate50 mg
Inositol (Inositol Hexanicotinate)50 mg

Non-medicinal Ingredients: Vegetarian capsule (carbohydrate gum [cellulose], purified water), microcrystalline cellulose, vegetable grade magnesium stearate (lubricant), silica, organic kale, organic alfalfa, organic cilantro leaf, organic parsley, caperberry, sprouted garlic, organic artichoke, organic black radish, organic dandelion, barley grass, pepper, organic celery seed, organic beetroot, organic tomato, wasabi rhizome, fresh freeze-dried sprouted broccoli, organic upland cress, daikon, red radish, organic cauliflower, organic cabbage, organic arugula, organic watercress leaf, grape, pomegranate, strawberry, organic cranberry, organic blueberry, raspberry, bilberry, organic Indian gooseberry, schizandra berry, red orange, organic açai berry, Theracurmin® curcumin, organic decaffeinated green tea extract, organic ginger rhizome, organic echinacea, organic oregano, organic peppermint, organic spearmint, organic spirulina, organic chlorella, red algae, blue green algae, kelp.

L-Carnitine

Each Capsule Contains:

L-Carnitine (Tartrate)500 mg

Non-medicinal Ingredients: Vegetarian capsule (carbohydrate gum [cellulose], purified water), silica, microcrystalline cellulose, vegetable grade magnesium stearate (lubricant).

Resveratrol with Grape Seed Extract

Each Capsule Contains:

Japanese Knotweed Extract (*Fallopia japonica*) (root)
(20% Trans-Resveratrol)200 mg
Grape Seed Extract (*Vitis vinifera*) (seed)
(80% Oligomeric Proanthocyanidins).....25 mg

Non-medicinal Ingredients: Gelatin capsule (gelatin, purified water), microcrystalline cellulose, vegetable grade magnesium stearate (lubricant), silica.



· GUARANTEED ·

Bioclinic Naturals® products are guaranteed to meet or exceed Good Manufacturing Practices (GMP) of the U.S. Food and Drug Administration (FDA), Health Canada, and the Therapeutic Goods Administration (TGA) of Australia.



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OPTI OVA® FEMALE WELLNESS KIT

Vitamin E 400 with Selenium

Each Tablet Contains:

Vitamin E (*d*-Alpha Tocopheryl Acid Succinate) 400 IU (268 mg AT*)
Selenium (Yeast) 100 mcg
Vitamin C (Ascorbic Acid)..... 100 mg
Manganese (Gluconate)..... 10 mg
*Alpha Tocopherol

Non-medicinal Ingredients: Dibasic calcium phosphate dihydrate, microcrystalline cellulose, silica, croscarmellose sodium, vegetable grade magnesium stearate (lubricant), coating (carbohydrate gum [cellulose], glycerin).

Magnesium Bisglycinate

Each Capsule Contains:

Magnesium (Bisglycinate) 200 mg

Non-medicinal Ingredients: Vegetarian capsule (carbohydrate gum [cellulose], purified water), microcrystalline cellulose, vegetable grade magnesium stearate (lubricant), silica.

OptiMega3® with Vitamin D3

Each Enteripure® Softgel Contains:

Fish Oil Concentrate (Anchovy, Sardine, and/or Mackerel)..... 1425 mg
Omega-3 Fatty Acids..... 900 mg
Eicosapentaenoic Acid (EPA) 600 mg
Docosahexaenoic Acid (DHA) 300 mg
Vitamin D3 (Cholecalciferol)..... 1000 IU (25 mcg)

Non-medicinal Ingredients: Enteric softgel (gelatin, glycerin, purified water, pectin), natural vitamin E.

Caution: Consult a health care practitioner prior to use if you are pregnant, breastfeeding, have kidney stones, diabetes, a liver disease, a kidney disease, a seizure disorder, cancer, cardiovascular disease, a history of non-melanoma skin cancer, gallstones, gallbladder disease, lupus, a progressive systemic disease such as tuberculosis, collagenosis, multiple sclerosis, AIDS and/or HIV infection or an auto-immune disorder, or if you are taking blood pressure medication, blood thinners, or protease inhibiting drugs. Do not use this product if you are taking antibiotics or nitroglycerin. If you experience sweating, paleness, chills, headache, dizziness, and/or confusion, discontinue use and consult a health care practitioner (as these may be symptoms of serious low blood sugar). Consult a health care practitioner prior to use if you are taking prescription medications as resveratrol may alter the effectiveness of these medications. Keep out of reach of children.

Contains no artificial colours, preservatives, or sweeteners; no dairy, starch, sugar, wheat, gluten, yeast, soy, corn, egg, fish, shellfish, animal products, salt, tree nuts, or GMOs.

Do not use if seal is broken. Each packet is sealed for your protection. For freshness, store in a cool, dry place.

References

- Schatten, H., Sun, Q.Y., Prather, R. (2014). The impact of mitochondrial function/dysfunction on IVF and new treatment possibilities for infertility. *Reprod Biol Endocrinol*, 12, 111.
- Oktay, K., Baltaci, V., Sonmez, M., et al. (2015). Oogonial Precursor Cell-Derived Autologous Mitochondria Injection to Improve Outcomes in Women With Multiple IVF Failures Due to Low Oocyte Quality: A Clinical Translation. *Reprod Sci*, 22(12), 1612-7.
- Chowanadisai, W., Bauerly, K.A., Tchapanian, E., et al. (2010). Pyrroloquinoline quinone stimulates mitochondrial biogenesis through cAMP response element-binding protein phosphorylation and increased PGC-1alpha expression. *J Biol Chem*, 285(1), 142-52.
- Ben-Meir, A., Burstein, E., Borrego-Alvarez, A., et al. (2015). Coenzyme Q10 restores oocyte mitochondrial function and fertility during reproductive aging. *Aging Cell*, 14(5), 887-95.
- Özcan, P., Ficicio-lu, C., Kizikale, O., et al. (2016). Can Coenzyme Q10 supplementation protect the ovarian reserve against oxidative damage? *J Assist Reprod Genet*, 33(9), 1223-30.
- El Refaey, A., Selem, A., Badawy, A. (2014). Combined coenzyme Q10 and clomiphene citrate for ovulation induction in clomiphene-citrate-resistant polycystic ovary syndrome. *Reprod Biomed Online*, 29(1), 119-24.
- Maged, A.M., Elawah, H., Abdelhafez, A., et al. (2015). The adjuvant effect of metformin and N-acetylcysteine to clomiphene citrate in induction of ovulation in patients with Polycystic Ovary Syndrome. *Gynecol Endocrinol*, 31(8), 635-8.
- Shokrpour, M., & Asemi, Z. (2019). The Effects of Magnesium and Vitamin E Co-Supplementation on Hormonal Status and Biomarkers of Inflammation and Oxidative Stress in Women with Polycystic Ovary Syndrome. *Biol Trace Elem Res*, 191, 54-60.
- Visioli, F., Hagen, T.M. (2011). Antioxidants to enhance fertility: role of eNOS and potential benefits. *Pharmacol Res*, 64(5), 431-7.
- Kromhout, D., de Goede, J. (2014). Update on cardiometabolic health effects of ω-3 fatty acids. *Curr Opin Lipidol*, 25(1), 85-90.
- Banaszewska, B., Wrotyńska-Barczyńska, J., Spaczynski, R.Z., et al. (2016). Effects of resveratrol on polycystic ovary syndrome: a double-blind, randomized, placebo-controlled trial. *J Clin Endocrinol Metab*, 101(11), 4322-4328.
- Toyama, K., Nishioka, T., Isshiki, A., et al. (2014). Eicosapentaenoic Acid combined with optimal statin therapy improves endothelial dysfunction in patients with coronary artery disease. *Cardiovasc Drugs Ther*, 28(1), 53-9.
- Ruder, E.H., Hartman, T.J., Reindollar, R.H., et al. (2014). Female dietary antioxidant intake and time to pregnancy among couples treated for unexplained infertility. *Fertil Steril*, 101(3), 759-66.
- Farzadi, L., Khayatizadeh Bidgoli, H., Ghojzadeh, M., et al. (2015). Correlation between follicular fluid 25-OH vitamin D and assisted reproductive outcomes. *Iran J Reprod Med*, 13(6), 361-6.
- Ozkan, S., Jindal, S., Greenseid, K., et al. (2010). Replete vitamin D stores predict reproductive success following in vitro fertilization. *Fertil Steril*, 94(4), 1314-9.
- Paffoni, A., Ferrari, S., Viganò, P., et al. (2014). Vitamin D deficiency and infertility: insights from in vitro fertilization cycles. *J Clin Endocrinol Metab*, 99(11), E2372-6.



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