

## MULTIVITAMIN AND MINERAL SUPPLEMENT WITH IRON AND VITAMIN D3 AND CHOLINE

Eating more health-promoting, plant-derived food, and less animal-derived food (especially processed and red meat) is linked to longevity. However, reducing animal foods also reduces our exposure to some beneficial nutrients, including zinc, vitamin B12, and iodine. Smart supplementation can fill these gaps, and help us achieve nutrient sufficiency, without needing to add animal products.

Gentle Prenatal contains the same carefully designed combination of vitamins and minerals present in Dr. Fuhrman's Women's Daily Formula +D3, but is uniquely tailored to the needs of women who are pregnant or planning to become pregnant. Dr. Fuhrman knows it is imperative that young women protect their health, and the health of their children, by avoiding conventional supplements which have potentially harmful ingredients that could negatively affect them.

There is evidence that too much synthetic folic acid, which is more bioavailable than natural folate, has cancer-promoting effects. High doses of supplemental beta-carotene, vitamin A, and vitamin E have been linked to an increased risk of death in several studies. There is also evidence that supplemental vitamin A contributes to osteoporotic fractures. In Importantly, folate, vitamin E, and beta-carotene (a precursor to vitamin A) are all easy to obtain from vegetables, fruits, nuts, and seeds. Anyone following a healthful diet does not need to supplement with these nutrients.



### Organic fruit and vegetable blend

A blend of whole foods, such as green vegetables and berries, provides an extra boost of phytochemicals in their natural, whole food state. Dr. Fuhrman's new whole food blend now includes only organic vegetables and fruits, including broccoli sprouts, goji berry extract, kale, carrot, beet, blueberry and raspberry.

What makes Gentle Prenatal unique?

### Contains 18 mg ferronyl iron

Women's iron needs increase during pregnancy because of increased blood volume, and the iron needs of the developing baby – adequate iron stores are essential for brain development and may also be important for mother-child bonding. 11-14 However, excess iron is also a problem. 15 It is appropriate for pregnant women to supplement with a conservative dose of iron.

## **GENTLE PRENATAL**

**Product Features** 

- Designed for women who are pregnant or planning to be pregnant
- 100% vegan
- 18 mg of Ferronyl® iron designed to be gentle on the digestive system
- 25 mcg (1000 IU) vegan vitamin D3
- Contains choline, a nutrient involved in fetal brain development
- Premium quality ingredients
- Organic whole food extracts, including broccoli, kale, blueberry, and beets
- Free of potentially harmful ingredients
- Non-GMO
- Does not contain gluten, dairy, or soy
- Capsules can be opened to add contents to food or drink

"GENTLE PRENATAL USES
FERRONYL® IRON, WHICH IS A
HIGHLY BIOAVAILABLE FORM AND
GENTLE ON THE DIGESTIVE SYSTEM."

Gentle Prenatal uses Ferronyl® iron, which is a highly bioavailable form and gentle on the digestive system. 16-18 The daily dose of 18 mg iron is split between two capsules to avoid the nausea and constipation commonly associated with iron supplements. For specific recommendations on iron supplementation based on your blood ferritin level, complete <a href="Dr. Fuhrman's Personalized Vitamin Advisor">Dr. Fuhrman's Personalized Vitamin Advisor</a> assessment.

### Contains 25 mcg (1000 IU) Vitamin D

Gentle Prenatal contains more vitamin D than most prenatal formulas, to help pregnant women achieve optimal vitamin D levels while minimizing the number of supplements they take each day. Vitamin D is an important supplement for pregnant women. During the third trimester, calcium demands increase, and vitamin D is essential for calcium absorption and fetal bone growth. Many prenatal vitamins contain only 15 mcg (600 IU) vitamin D. Vitamin D insufficiency in pregnant and nursing women is linked to increased occurrences of preeclampsia and gestational diabetes, poor growth during infancy, and childhood autoimmune disease and asthma. 19,20

Vitamin D needs are individual. For many people, 50 mcg (2000 IU) vitamin D is an appropriate daily dose, but some may require more or less. Dr. Fuhrman recommends aiming for 30-45 ng/ml on a 25(0H)D blood test. Gentle Prenatal provides 25 mcg (1000 IU) vitamin D.

### **Contains choline**

Choline has emerged as a crucial nutrient for pregnant women, since choline acts as a building block of the baby's developing brain, and most Americans do not meet choline intake recommendations.<sup>21,22</sup> However, most prenatal multivitamins have not yet acted on this research to include choline.

# Get folate from vegetables, not folic acid from supplements

Gentle Prenatal does not contain folic acid, a synthetic substitute for natural folate. Folic acid is a potentially dangerous supplement that is typically recommended to pregnant women despite the negative effects associated with it. Folate deficiency is dangerous, especially during early pregnancy because of the risk of neural tube defects. However, it is safer to get folate from food than to get synthetic folic acid – which is different from food folate – from supplements. Because folic acid is more bioavailable, supplementation (along with fortified refined grain products) could lead to excessive amounts of folic acid in the body. There is evidence that excess folic acid has cancer-promoting effects. Also, some but not all studies have reported folic acid supplementation during pregnancy was associated with a greater risk of asthma in children. 23

On the other hand, diets high in vegetables during pregnancy have been linked to better health outcomes, including a lower risk of preeclampsia, preterm birth, and allergies in children.<sup>24-26</sup>

- Kim H, Caulfield LE, Garcia-Larsen V, et al. Plant-Based Diets Are Associated With a Lower Risk of Incident Cardiovascular Disease, Cardiovascular Disease Mortality, and All-Cause Mortality in a General Population of Middle-Aged Adults. J Am Heart Assoc 2019, 8:e012865.
- 2. Budhathoki S, Sawada N, Iwasaki M, et al. Association of Animal and Plant Protein Intake With All-Cause and Cause-Specific Mortality. JAMA Intern Med 2019.
- 3. Song M, Fung TT, Hu FB, et al. Association of Animal and Plant Protein Intake With All-Cause and Cause-Specific Mortality. JAMA Intern Med 2016, 176:1453-1463.
- 4. Smith AD, Kim YI, Refsum H. Is folic acid good for everyone? Am J Clin Nutr 2008, 87:517-533.
- $5. \quad Ulrich \ CM. \ Foliate \ and \ cancer \ prevention: a \ closer \ look \ at \ a \ complex \ picture. \ Am \ J \ Clin \ Nutr \ 2007, 86:271-273.$
- 6. Mason JB. Folate, cancer risk, and the Greek god, Proteus: a tale of two chameleons. Nutr Rev 2009, 67:206-212.
- 7. Patel KR, Sobczynska-Malefora A. The adverse effects of an excessive folic acid intake. Eur J Clin Nutr 2017, 71:159-163.
- 8. Bjelakovic G, Nikolova D, Gluud C. Meta-regression analyses, meta-analyses, and trial sequential analyses of the effects of supplementation with beta-carotene, vitamin A, and vitamin E singly or in different combinations on all-cause mortality: do we have evidence for lack of harm? PLoS One 2013, 8:e74558.
- Schwingshackl L, Boeing H, Stelmach-Mardas M, et al. Dietary Supplements and Risk of Cause-Specific Death, Cardiovascular Disease, and Cancer: A Systematic Review and Meta-Analysis of Primary Prevention Trials. Adv Nutr 2017, 8:27-39.
- 10. Crandall C. Vitamin A intake and osteoporosis: a clinical review. J Womens Health (Larchmt) 2004, 13:939-953.
- 11. Dietary Supplement Fact Sheet: Iron. Office of Dietary Supplements National Institutes of Health. [http://ods.od.nih.gov/factsheets/iron]
- 12. Murray-Kolb LE, Beard JL. Iron deficiency and child and maternal health. American Journal of Clinical Nutrition 2009, 89:946S-950S.
- 13. Armony-Sivan R, Kaplan-Estrin M, Jacobson SW, Lozoff B. Iron-deficiency anemia in infancy and mother-infant interaction during feeding. Journal of Developmental and Behavioral Pediatrics 2010, 31:326-332.
- 14. Lozoff B, Georgieff MK. Iron deficiency and brain development. Seminars in Pediatric Neurology 2006, 13:158-165.
- 15. Pena-Rosas JP, De-Regil LM, Garcia-Casal MN, Dowswell T. Daily oral iron supplementation during pregnancy. Cochrane Database Syst Rev 2015:CD004736.
- Whittaker P, Ali SF, Imam SZ, Dunkel VC. Acute toxicity of carbonyl iron and sodium iron EDTA compared with ferrous sulfate in young rats. Regulatory Toxicology and Pharmacology 2002, 36:280-286.
- 17. Gordeuk VR, Brittenham GM, Hughes M, et al. High-dose carbonyl iron for iron deficiency anemia: a randomized double-blind trial. American Journal of Clinical Nutrition 1987, 46:1029-1034.
- 18. Devasthali SD, Gordeuk VR, Brittenham GM, et al. Bioavailability of carbonyl iron: a randomized, double-blind study. European Journal of Haematology 1991, 46:272-278.
- 19. Wagner CL, Hollis BW. The Implications of Vitamin D Status During Pregnancy on Mother and her Developing Child. Front Endocrinol (Lausanne) 2018, 9:500.
- 20. Mulligan ML, Felton SK, Riek AE, Bernal-Mizrachi C. Implications of vitamin D deficiency in pregnancy and lactation. Am J Obstet Gynecol 2010, 202:429 e421-429.
- 21. Marriott BP, Olsho L, Hadden L, Connor P. Intake of added sugars and selected nutrients in the United States, National Health and Nutrition Examination Survey (NHANES) 2003-2006. Crit Rev Food Sci Nutr 2010, 50-228-258.
- 22. Zeisel SH. Nutrition in pregnancy: the argument for including a source of choline. Int J Womens Health 2013, 5:193-199.
- 23. Brown SB, Reeves KW, Bertone-Johnson ER. Maternal folate exposure in pregnancy and childhood asthma and allergy: a systematic review. Nutr Rev 2014, 72:55-64.
- 24. Chia A-R, Chen L-W, Lai JS, et al. Maternal Dietary Patterns and Birth Outcomes: A Systematic Review and Meta-Analysis. Advances in Nutrition 2019, 10:685-695.
- 25. Perry A, Stephanou A, Rayman MP. Dietary factors that affect the risk of pre-eclampsia. BMJ Nutr Prev Health 2022, 5:118-133.
- 26. Venter C, Palumbo MP, Glueck DH, et al. The maternal diet index in pregnancy is associated with offspring allergic diseases: the Healthy Start study. Allergy 2022, 77:162-172.



## **GENTLE PRENATAL**

Supplement Facts

Supplement Facts			
Serving Size: 2 Capsules			
Serving Size: 2 Capsules Servings Per Container: 60			
Servings Per Container. 60			
	Amount Per Serving	%DV for Adults & Child ≥4 years	Pregnant a
Vitamin C (as calcium ascorbate and from acerola fruit extract)	100 mg	111%	83%
Vitamin D [as (D3) vegan cholecalciferol (Vitashine®)]	25 mcg (1000IU)	125%	167%
Thiamin (as thiamin HCI)	0.75 mg	63%	54%
Riboflavin (as riboflavin)	0.425 mg	33%	27%
Vitamin B12 (as methylcobalamin)	75 mcg	3,125%	2,679%
Biotin	15 mcg	50%	43%
Pantothenic acid (as D-calcium pantothenate)	5 mg	100%	71%
Calcium [from mineralized seaweed (Lithothamnium sp.) (whole plant) (Aquamin™ TG) and calcium ascorbate]	100 mg	8%	8%
Iron as (Ferronyl™ carbonyl iron)	18 mg	100%	67%
lodine (from kelp)	150 mcg	100%	52%
Magnesium (as magnesium oxide, magnesium aspartate, magnesium amino acid chelate)	100 mg	24%	25%
Zinc (as zinc bisglycinate chelate and zinc picolinate)	10 mg	91%	77%
Chromium (as chromium amino acid chelate)	17.5 mcg	50%	39%
Sunflower lecithin (soy-free) (providing 30 mg phosphatidylcholine)	200 mg		•
Taurine	50 mg	-	-
Vitamin K2 [(as natural menaquinone-7 )(K2Vital®)]	30 mcg	•	•
Vanadium (as vanadium amino acid chelate)	10 mcg		
Fruit, Veggie and Greens Blend:  Organic broccoli sprout, organic acai fruit extract (Euberry extract, organic cranberry, organic apple, organic			

Daily Value (DV) not establishe

Other Ingredients: hypromellose, vegetable magnesium stearate, silica, and microcrystalline cellulose.

#### Suggested Use

Suggested Use: Two capsules daily (best when taken with meals). Capsules can be opened and contents mixed with food or drink.

\*\*These supplements have not been evaluated by the Food and Drug Administration.

Products listed are not intended to diagnose, treat, cure or prevent disease.

Gentle Prenatal is vegan and does not contain dairy, soy, wheat or GMOs.

For more detailed information about this supplement, visit http://www.drfuhrman.com/shop/product/55