# PRENATAL COMPLETE WITH DHA





#### **CLINICAL APPLICATIONS**

Supports Healthy Metabolism During Pregnancy

## WOMEN'S HEALTH

Prenatal Complete with DHA is a comprehensive, hypoallergenic, prenatal multivitamin and mineral blend to support healthy metabolism during pregnancy. The formula includes folate as Quatrefolic<sup>™</sup> - 100% 5-MTHF, the biologically active form of folic acid, to meet increased requirements for fetal nervous system development. It also includes USP\* B vitamins. Albion® TRAACS® chelated mineral complexes and Ferrochel® iron are included for enhanced mineral bioavailability and gentleness on the stomach.

#### **Overview**

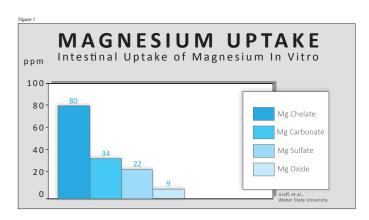
Preconception and pregnancy are periods when it is essential to optimize health and nutrition, both for mother and baby. Research has shown that healthy pregnancies begin with good nutrition during preconception, and it is known that overall nutrition needs rise during pregnancy and breastfeeding. In addition, factors such as first trimester nausea or morning sickness may impede a woman from being able to consume adequate nutrition to support her expanding needs. Prenatal Complete with DHA provides the full complement of nutrients essential for pregnancy and adheres to the highest standards of purity, formulated to be free of common allergens, artificial colors, flavors, sweeteners, preservatives and additives.

#### **Bioavailability<sup>+</sup>**

Nutrients must be highly bioavailable to improve the body's nutrient balance. Unlike other formulas, which use cheap forms of minerals with slow and limited absorption, and can often cause intestinal distress such as constipation (calcium carbonate) or diarrhea (magnesium oxide), Prenatal Complete with DHA provides a full spectrum of highly-absorbed, Albion<sup>®</sup> mineral chelates. Albion<sup>®</sup> is the world leader in manufacturing highly bioavailable mineral chelates, a specialized form of

minerals bound to amino acids. This patented process creates natural mineral compounds that use active absorption mechanisms in the gastrointestinal tract to greatly enhance mineral absorption. In fact, comparison studies have shown significantly superior absorption of mineral chelates to other forms of minerals. In a magnesium comparison study reported by Graff et al. at Weber State University, Albion<sup>®</sup>'s magnesium amino acid chelate had (See Figure 1):<sup>1</sup>

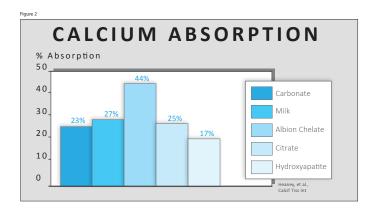
- 8.8 times greater absorption than magnesium oxide
- 5.6 times greater absorption than magnesium sulfate
- 2.3 times greater absorption than magnesium carbonate



In a clinical study comparing calcium absorption in humans, Albion®'s patented calcium chelate delivered the greatest absorption of all calcium sources tested (44% absorption, See Figure 2).<sup>2</sup> In addition, mineral chelates are gentle, "gut friendly" minerals that do not cause the constipation that often accompanies calcium carbonate and other mineral forms.



Albion<sup>®</sup>'s mineral chelates have extensive clinical research proving their superior bioavailability, biologic activity, stability and tolerance.



#### Research

#### **Folate<sup>†</sup>**

Folate is needed very early in pregnancy and it is recommended that women take folate when planning to become pregnant, since folate needs are high around the time of conception.<sup>3</sup> Adequate folate nutrition before and during pregnancy supports healthy development of the fetal brain and spinal column, and ensures an overall healthy pregnancy outcome.<sup>4,5</sup> Prenatal Complete with DHA provides 5-MTHF as 100% Quatrefolic<sup>®</sup>, a more stable, soluble, and bioavailable form than calcium salt forms of 5-MTHF. Supplementing with bioactive 5-MTHF allows for the bypassing of steps in folate metabolism, which may be especially beneficial in those with digestive concerns or genetic variations in folate metabolism.<sup>6,7</sup>

#### **DHA**<sup>†</sup>

Intake of omega-3 fatty acids is critically important during pregnancy for the development of the fetal brain and retina.<sup>8</sup> During mid-to-late gestation, DHA plays an important role in the development of cognitive and motor functions.<sup>8</sup> An ample supply of DHA is beneficial to baby's brain and eye development, however, most women don't get enough DHA in their diets. Thus, it is recommended that pregnant and breastfeeding women consume additional DHA daily,<sup>9,10</sup> particularly during the last months of pregnancy and the first few years of life, when a baby's brain develops rapidly.<sup>11</sup>

#### Iron<sup>+</sup>

Since iron is critical for energy and oxygen delivery to a developing baby, the Centers for Disease Control and Prevention recommends routine iron supplementation during pregnancy, though many forms of iron cause constipation and gastrointestinal discomfort.<sup>12</sup> Research shows that about 20% of pregnant women have low hemoglobin and iron levels.<sup>13</sup> Ferrochel<sup>®</sup> iron has been shown to help increase and maintain levels of iron, while being gentle

on the stomach and colon. This form relieves the stomach from having to bind minerals to amino acids, allowing iron molecules to pass easily through the intestinal wall at a rate of 3.8 times greater than iron salt forms.<sup>14,15</sup>

#### lodine<sup>+</sup>

It has long been recommended that pregnant and lactating women take a prenatal supplement containing iodine for optimal thyroid health. However, only 15 – 20% of pregnant and nursing women currently take supplements containing iodine. A recent report from the American Academy of Pediatrics highlights the vital role that iodine plays in the development of a baby's nervous system and brain development. New recommendations reflect this finding, stating that pregnant and lactating women should take a supplement containing iodide, a form more easily absorbed by the body.

#### Dosage

3 capsules and 1 soft gel per day or as recommended by your health care professional.

#### **Does Not Contain**

Gluten, yeast, artificial colors and flavors

#### Cautions

Consult your health care professional before use.

## Supplement Facts

Serving Size 3 Capsules and 1 Soft Gel Capsule Servings Per Container 30

3 capsules and 1 soft gel capsule contains	f	Daily Value or Pregnant or Lactating Women
Calories	15	
Total Fat	1.5 g	2%
Cholesterol	5 mg	2%
Vitamin A (from 5,000 IU as Betatene® Natural Mixed Caro	1,500 mcg tenoids)	115%
Vitamin C (as Ascorbic Acid USP)	250 mg	208%
Vitamin D (D3 as Cholecalciferol)	50 mcg (2,000 l	U) 333%
Thiamin (Vitamin B1)( from Thiamine Hydrochloride USP	5 mg )	357%
Riboflavin (Vitamin B2 USP)	5 mg	313%
Niacin USP	25 mg	139%
Vitamin B6 (as Pyridoxine Hydrochloride USP)	15 mg	750%
Folate (from 1,000 mcg as Quatrefolic® (6S)-5-Methyltetrahydrofolic acid glucosamine s	1,700 mcg DFE alt)	283%
Vitamin B12 (as Methylcobalamin)	50 mcg	1,786%
Biotin	300 mcg	857%
Choline (as Choline Bitartrate)	78 mg	14%
Calcium (as DimaCal® Dicalcium Malate)	150 mg	12%
Iron (as Ferrochel® Ferrous Bisglycinate Chelate		111%
Iodine (from Potassium Iodide)	150 mcg	52%
Magnesium (as DiMagnesium Malate)	150 mg	38%
Zinc (as TRAACS® Zinc Bisglycinate Chelate)	20 mg	154%
Selenium (as Selenium Glycinate Complex)	100 mcg	143%
Chromium (as O-polynicotinate) <sup>‡</sup>	100 mcg	222%
Molybdenum (as TRAACS <sup>®</sup> Molybdenum Glycinate Chelate)	25 mcg	50%
DHA (Docosahexaenoic Acid)	580 mg	*
EPA (Eicosapentaenoic Acid)	130 mg	*
Mixed Tocopherols	25 mg	*
* Daily Value not established		

## ID# 320030 6–15 Capsule and 5 Soft Gel Capsule Packages



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