Ferro-C

DESCRIPTION
Ferro-C, provided by Douglas Laboratories®, supplies significant amounts of bioavailable iron along with a synergistic combination of vitamins for optimal health.

FUNCTIONS
Iron is one of the most abundant metals in the universe. It is also one of the most useful in biochemical functions. In the human body, iron is present in all cells and has several vital functions -- as a carrier of oxygen to the tissues from the lungs in the form of hemoglobin (Hb), as a facilitator of oxygen use and storage in the muscles as myoglobin, as a transport medium for electrons within the cells in the form of cytochromes, and as an integral part of enzyme reactions in various tissues. Too little iron can interfere with these vital functions and lead to morbidity and mortality. Low iron levels in the blood are the most common and most prevalent mineral deficiency. Iron deficiency can be a very difficult diagnosis, since the symptoms such as lethargy, tiredness and dizziness, are non-specific can be found in a variety of ailments. However, people who are most at risk, including menstruating and pregnant women, athletes, and vegetarians may have difficulty getting adequate iron supplies from their food sources alone. As co-enzymes, the B vitamins are essential components in most major metabolic reactions. They play an important role in energy production, including the metabolism of lipids, carbohydrates, and proteins. B vitamins are also important for blood cells, hormones, and nervous system function. As water-soluble substances, B vitamins are not generally stored in the body in any appreciable amounts (with the exception of vitamin B-12). Therefore, the body needs an adequate supply of B vitamins on a daily basis. Thiamin, riboflavin, and niacin are all essential coenzymes in energy production. Thiamin is converted quickly into thiamin pyrophosphate, which is required for glycolytic and Krebs cycle reactions. Thiamin also appears to be related to nerve impulse transmission. Riboflavin is a component of the coenzymes FAD and FMN, which are intermediates in many redox reactions, including energy production and cellular respiration reactions. Niacin is also a component of the coenzymes NAD and NADP, which are involved in energy production, as well as biosynthetic processes. Vitamin B-6 is a coenzyme in amino acid metabolism. It is necessary for the metabolism of homocysteine and the conversion of tryptophan into niacin. Vitamin B-6 dependent enzymes are also needed for the biosynthesis of many neurotransmitters, including serotonin, epinephrine, and norepinephrine. Vitamin B-12 and folic acid are coenzymes in DNA and RNA metabolism. Both of these B vitamins assist in homocysteine metabolism. Folic acid serves as a methyl donor and vitamin B-12 as a coenzyme in the conversion of homocysteine to methionine.

Pantothenic acid is a coenzyme essential for energy production from dietary fats, carbohydrates, and proteins. Pantothenic acid is a component of coenzyme A and of phosphopantetheine, and is therefore essential for Krebs cycle operation. Vitamin E is an especially valuable antioxidant in the cell membranes, where it prevents oxidation of unsaturated fatty acids by trapping free radicals. This helps stabilize and protect cell membranes, especially red blood cells and tissues sensitive to oxidation, such as the lungs, eyes, and arteries.

While not truly a vitamin, choline is an important nutrient related to B vitamins. Choline serves as a methyl donor for homocysteine metabolism following conversion to betaine, as a structural component of cellular membranes as phosphatidylcholine, and as a neurotransmitter as acetylcholine.

INDICATIONS
Ferro-C may be a useful nutritional adjunct for individuals who wish to increase their intake of iron and other important nutrients.

FORMULA (#7035)
2 Tablets Contain:
Iron (as Ferronyl®) .......................................................... 54 mg
Vitamin C ................................................................. 200 mg
Vitamin B-12 ............................................................. 50 mcg
Thiamine ................................................................. 6 mg
Riboflavin ................................................................. 8 mg
Ferro-C

Vitamin B-6 ......................................................... 4 mg
Folic Acid .......................................................... 100 mcg
Niacinamide .......................................................... 30 mg
Pantothenic acid .................................................. 25 mg
(as calcium pantothenate)
Choline bitartrate .................................................. 25 mg
Vitamin E ............................................................. 30 I.U.
Glycine .............................................................. 200 mg

SUGGESTED USE
Adults take 2 tablets daily with meals or as directed by physician.

SIDE EFFECTS
Warning: Accidental overdose of iron-containing products is a leading cause of fatal poisoning in children under 6. Keep this product out of reach of children. In case of accidental overdose, call a doctor or poison control center immediately.

STORAGE
Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

For more information on Ferro-C visit douglaslabs.com

† These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.