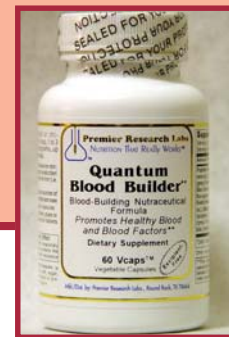
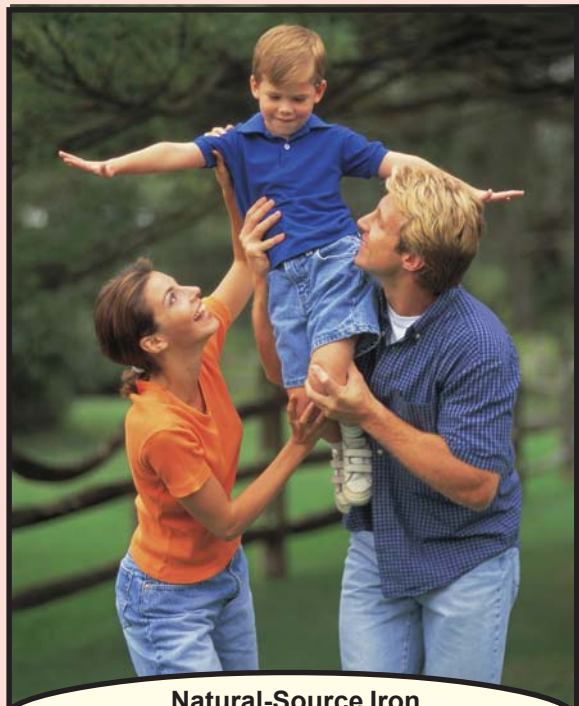


Natural-Source Iron & Blood Factors



Quantum Blood Builder

*Promotes Healthy Blood Factors,
Including Highly Bioavailable, Natural-Source Iron**



**Natural-Source Iron
for Healthy Blood***

Iron is Essential For Healthy Blood. Iron is the mineral found in the largest amounts in the blood. It is essential for the production of many enzymes, for cell growth and for healthy red blood cells. Sufficient amounts of iron are required for a healthy immune system and for energy production. Many individuals become deficient in iron at some time in their lives, especially menstruating women and the elderly.

Research shows that large segments of the U.S. population are chronically deficient in iron. Insufficient intake of iron can cause iron deficiency. However, iron deficiency may also result from poor digestion, long-term illness, intestinal bleeding, excessive menstrual bleeding, ulcers, excessive coffee or tea consumption, prolonged use of antacids, strenuous exercise and heavy perspiration.

Iron Deficiency Symptoms. Symptoms of iron deficiency include anemia, digestive disturbances, fatigue, listlessness, fragile bones, brittle hair and nails, dizziness, irritability, pallor, obesity, low tolerance to cold, impaired antibody production and reduced red and white blood cells. Excessive amounts of zinc and vitamin E can interfere with iron absorption. Insufficient iron may also contribute to high levels of fat in the blood and liver, and may have a negative effect on learning ability and endurance. In fact,

Quantum Blood Builder Benefits

- Highly bio-available, natural-source iron; does not promote free radical production such as inorganic (rock) forms of iron (i.e. ferrous fumarate)
- Key blood factors: rich, natural sources of folic acid, B12, copper, chlorophyll and more
- Improved function of intestinal tract*
- Easy assimilation of a wide spectrum of nutrients for healthy blood*
- 100% pure vegetable capsules
No toxic tablets, fillers or glues
- Excipient-free: no binders, fillers, glues or other toxic tagalongs as found in tablets and gelatin capsules

research studies show that iron supplementation of iron-deficient children improves their ability to learn. A classic symptom of iron deficiency is a craving for ice.

The Best Source of Natural Iron. The human body is able to assimilate iron from the beet root more easily than any other known food - unlike manmade sources of iron, especially ferrous fumarate which should be avoided (see chart below). In addition to iron, beets contain many other natural minerals such as potassium, magnesium, phosphorous, calcium, sulfur and iodine, as well as soluble fiber and a full spectrum of naturally occurring vitamins, especially vitamins A, C, niacin, folic acid and biotin. Beets not only supply iron, but also the broad spectrum nutrients listed above (and much more) to help build healthy red blood cells and other blood factors.

Beets also supply many other critical factors including nucleic acids which help nourish cells. Beets also contain betaine and folic acid, which are methyl donors. Methyl donors combat homocysteine, produced by our bodies from the demethylation of methionine. Elevated levels of homocysteine are now recognized as a risk factor in heart disease.

South American Beets. Quantum Blood Builder is a potent, concentrated, nutritional product. It takes 20 tons of beets to make 1 ton of beet powder, so all of the beet's natural nutrients are present at 20 times the normal amounts. The beets used in this product are "beyond organic," nonhybrid South American beets, low-temperature, air-dried to retain maximum content of living enzymes, vitamins and mineral factors. Beets also support healthy gallbladder function and ideal fat metabolism.

Other Healthy Blood Factors

In addition to the key nutrients listed, Quantum Blood Builder also contains a wide spectrum of synergistic nutrients to support healthy blood factors and the organs that interface with optimal blood production and regulation, including the liver, thyroid, kidneys and spleen.

Kelp: Organic Iodine and Minerals. Quantum Blood Builder contains unheated kelp (two varieties) which is one of the highest sources of natural minerals and vitamins. Kelp contains many vitamins, essential amino acids and chelated minerals. ("Chelated" means the mineral is bound with an acid such as an amino acid, the building block of protein, and can be easily absorbed by the body).

Kelp is especially high in natural iodine which supports healthy thyroid function. Iodine is a key mineral element, and is essential for the production of the hormones, thyroxine and triiodothyronine, which are required for the maintenance of metabolic rate, cellular metabolism, and the integrity of connective tissue. Kelp's minerals and enzymes also support the nervous system and immune system, and promote normal weight by stimulating the metabolism to burn excess calories.

The micronutrient values of kelp greatly exceed those in typical soil based crops. More importantly, the trace minerals in kelp are in organic forms which the body can readily absorb and use.

Young Barley Grass. Quantum Blood Builder contains young green shoots of barley grass (picked at 12 to 14 inches high) which are so rich in nutritional factors that they can supply sole nutritional support from birth to old age. Barley grass contains all the vitamins, minerals, and proteins necessary for the human diet, plus rich amounts of chlorophyll. These naturally occurring nutrients are highly alkalizing and are easily assimilated throughout the digestive tract. Barley grass's leaf proteins contain polypeptides, which are short chains of proteins that can be directly absorbed by the blood where they promote ideal cellular metabolism and neutralize toxic substances.

Barley grass contains 18 amino acids, including the 8 essential ones - that is, amino acids that we must obtain from our diets because the body cannot produce them itself. The precious barley grass also contains a multitude of enzymes, the body's spark plugs. Enzymes supply the spark that starts the essential chemical reactions our bodies need to maintain life. Astounding amounts of vitamins and minerals are found in green barley leaves, including potassium, calcium, magnesium, iron, copper, phosphorus, manganese, zinc, beta carotene, vitamins B1, B2, B6, C, folic acid, and pantothenic acid. A new antioxidant, 2-O-GIV, has been isolated from barley grass which has been shown to have antioxidant activity equal to or superior to vitamin E.

Wild Blue-Green Algae. Blue-green algae is included for its powerful, broad-spectrum nutrients, including natural vitamin B12, 60% high quality protein, the highest beta-carotene content per gram of any food, the richest known source of chlorophyll (for cellular rejuvenation and blood purification), fatty acids and nucleic acids to supply RNA/DNA blood factors.

Aloe Vera Concentrate (200:1). Scientists have identified over 75 phytonutrients in Aloe Vera that act as active, immune-stimulating compounds in the body. The synergy of these complex nutrients is what has made aloe so famous throughout the centuries as premier support for the intestines, immune system and blood purification. Aloe is especially rich in acemannan, a mucopolysaccharide proven by research to stimulate the body's macrophages to produce interferon and interleukin, which helps the immune system stop internal invaders. Macrophages are the deep cleansers of the immune system that can destroy small particles such as toxic chemicals and internal toxins.

Other special compounds in aloe called anthraquinones boost immune system function. Aloe cleanses and detoxifies the digestive system, helps lower stomach acidity, alkalizes the blood and body, helps raise energy levels and promotes a sense of well being.

South American Irish Moss is a highly alkalizing sea vegetable which contains significant amounts of iodine, essential for healthy thyroid and glandular function, including blood production. It also contains a broad range of minerals, including potassium chloride which helps to dissolve mucus; polysaccharides and carrageenans which soothe the intestines and digestive system; and sulphate esters which support superior immune system function.

Synergistic Nutrients. Quantum Blood Builder also contains **Wild Mountain-Grown Asian Reishi** (the fermented mycelial extract) which supports the immune system and protects the liver. **European Bilberry** is a rich source of anthocyanidins, powerful antioxidant phytonutrients which support healthy liver and blood factors. **South American Lycopene** is a powerful carotenoid antioxidant that increases potent antioxidant values in the blood; it has also shown protective benefits for the immune system. **Stabilized Rice Bran (SRB)** contains over 100 different antioxidants including Coenzyme Q-10, ferulic acid, etc. SRB also contains phosphatidylcholine for healthy blood factors and blood production. Highly Purified **Plant Enzymes** (protease, lipase, amylase, cellulase, invertase, lactase, maltase) support the body's efficient digestion and assimilation of all the above phytonutrients.

Ferrous Fumarate: Side Effects

May cause stomach cramps, constipation, heart burn, nausea and vomiting. This form of iron can also cause the stool to turn black, due to unabsorbed iron (very common). Inform your doctor if you develop severe stomach pains, chest pain, clammy skin, bluish-colored lips or fingernails.

Accidental overdose of iron-containing products is a leading cause of fatal poisoning in children under 6 years of age. The ferrous fumarate form of iron may promote oxidation of vitamin C and accelerated neurodegeneration.

References

- Annibale B, et al. Reversal of iron deficiency anemia after Helicobacter pylori eradication in patients with asymptomatic gastritis. *Ann Intern Med* 1999;131:668-72.
- Expert Scientific Working Group. Summary of a report on assessment of the iron nutritional status of the United States population. *American Journal of Clinical Nutrition*. 1985; 42: 1318-1330.
- Kucuk O, Sarkar FH, et al., Effects of lycopene supplementation in patients with localized prostate cancer. *Exp Biol Med* (Maywood). 2002 Nov;227(10):881-5.
- Morck TA, Lynch SR, Cook JD. Inhibition of food iron absorption by coffee. *American Journal of Clinical Nutrition*. 1983; 37: 416-420.
- Punnonen K, et al. Serum transferrin receptor and its ratio to serum ferritin in the diagnosis of iron deficiency. *Blood* 1997;89:1052.
- Suominen P, et al. Serum transferrin receptor and transferrin receptor-ferritin index identify healthy subjects with subclinical iron deficits. *Blood* 1998;92:2934.

Pink Urine: The red-colored beet pigment, betacyanin, is excreted by the kidneys, and may color the urine so that it looks pink to deep red (called beeturia). Approximately 14% of normal people may develop visible beeturia after ingesting beets. The red color should not be mistaken for blood and is not medically significant.

Quantum Blood Builder (500 mg./ Vcap, 60 Vcaps/bottle)

Ingredients: Proprietary, Quantum Quality Formula: South American Red Beet Root, Unheated Pacific Kelp, (*Laminaria dig.*), Unheated N. Atlantic Kelp (*Ascophyllum nod.*), Young Barley Grass (*Hordeum vulg.*), Organic Aloe Vera Inner Leaf (200:1), Wild Blue Green Algae (*Aphanizomeon flos-aquae*), Irish Moss (*Chodrus crisp.*), Wild Mountain-Grown Reishi (fermented mycelial extract) (*Ganoderma luc.*), Bilberry (*Vaccinium myr.*), Lycopene (S. American Nonhybrid Tomato), Stabilized Rice Bran (100+ antioxidants), Plant Enzymes
Other Ingredients: 100% solvent-free vegetable capsules, 100% excipient-free (no magnesium stearate, silicon dioxide or other toxic tagalongs)

Recommended Use: Adults or children (4 and up): Take 1 Vcap, 1 to 3 times daily. For special programs, up to 12 Vcaps may be taken daily.