



Mega-Chel

Stock #1611-1 (180 tablets)

Stock #4050-6 (90 tablets)

Mega-Chel is a “mega-nutrient” supplement designed to improve circulation and remove pollutants that damage arterial and vessel walls and cause hardening of the arteries (arteriosclerosis). Mega-Chel contains vitamins, minerals, antioxidants and herbs that not only help clear arteries, but also help reduce cholesterol and triglycerides levels, strengthen the heart, improve vascular integrity, stimulate cardiac and peripheral circulation, increase tissue oxygenation, decrease platelet aggregation, and even enhance immune response. Mega-Chel contains no artificial colors, preservatives, starches, sugars or yeast.

Each Mega-Chel serving (6 tablets) provides:

Vitamin A (beta-carotene, palmitate) - 20,000 IU

Vitamin C (ascorbic acid) - 2,000mg

Vitamin D (fish oils) - 325 IU

Vitamin E (d-alpha tocopherol) - 200 IU

Vitamin B1 (thiamine) - 100mg

Vitamin B2 (riboflavin) - 25mg

Niacin - 50mg

Vitamin B6 (pyridoxine HCl) - 75mg

Folic acid - 200mcg

Vitamin B12 (cyanocobalamin) - 125mcg

Biotin - 50mcg

Pantothenic acid (d-calcium pantothenate) - 250mg

Calcium (amino acid chelate, di-calcium phosphate, d-calcium pantothenate) - 200mg

Iron (ferrous fumarate) - 5mg

Phosphorus (di-calcium phosphate) - 145mg

Iodine (potassium iodide) - 63mcg

Magnesium (amino acid chelate, magnesium oxide) - 200mg

Zinc (gluconate, oxide) - 15mg

Selenium (amino acid chelate) - 125mcg

Copper (copper gluconate) - 125mcg

Manganese (amino acid chelate) - 2.5mg

Chromium (amino acid chelate) - 100mcg

Potassium (gluconate) - 200mg

p-Aminobenzoic Acid (PABA) - 125mg

Inositol - 20mg

Coenzyme Q10 - 5mg

Cysteine HCL - 375mg

Methionine - 88mg

In a base of Citrus bioflavonoids, Rutin, Adrenal substance, Spleen substance, Thymus substance, Ginkgo leaf (*Ginkgo biloba*) and Hawthorn berries (*Crataegus oxyacanthoides*).

Coenzyme Q10 has been shown to be clinically effective for coronary artery disease, arrhythmia, hypertension and particularly congestive heart failure and cardiomyopathy. Research has consistently shown a strong correlation between the severity of heart failure and low blood and tissues levels of CoQ10; thus, sufficient levels of CoQ10 are essential for a healthy heart and critical for a failing one.¹⁻³

Cysteine, a sulfur-containing amino acid, is a component of the antioxidant glutathione, which detoxifies and protects cells from free radicals and carcinogens. Cysteine itself acts as a detoxifying agent, protecting the body against alcohol and cigarette smoking. Cysteine also strengthens the protective lining of the stomach and intestines, which may help prevent damage from aspirin and other drugs.⁴⁻⁶

Methionine, a sulfur-containing amino acid, can be utilized by the body to form cysteine. Methionine acts as a powerful detoxifier of heavy metals such as lead, and even demonstrates antioxidant properties and protective effects against alcohol. Methionine also helps dissolve fats, preventing their buildup in the liver and arteries.^{4,6,7}

Citrus Bioflavonoids are highly-effective antioxidants that prevent free-radical cellular damage to blood vessel walls, reduce the tendency of blood clotting, and inhibit oxidation of LDL cholesterol. Multiple research studies confirm a diet

high in bioflavonoids contributes to a reduced risk of heart disease. In fact, bioflavonoid intake is tied with cigarette smoking as the second most important risk predictor of heart disease. Bioflavonoids also facilitate the absorption and function of vitamin C.⁸⁻¹⁰

Rutin (which belongs to the family of flavonoids) is a powerful antioxidant found in fruits and vegetables. Rutin protects against free-radical damage, strengthens capillary walls, facilitates the absorption and function of vitamin C, and acts as an anti-inflammatory. Thus, rutin may be effective for treating bruises, hemorrhoids and varicose veins. Rutin is most popular as a treatment for allergies.^{5,11,12}

Adrenal, Spleen and Thymus substances, also known as glandular extracts, have been used by European physicians since the early 1900's. Glandular and organ substances are used to enhance the functioning ability of a person's glands or organs. Based on the concept that the oral ingestion of a glandular substance will be targeted to that gland once consumed (i.e. "like heals like"), radioactive isotope tracing has proven that glandular tissues are absorbed by the bloodstream and deposited for use in the corresponding glands. Science has confirmed that various glandular preparations are effective when taken orally due to active hormone or enzyme content and the presence of proteins and polypeptides. Combined with a well-balanced diet, vitamins and other nutritional supplements, glandular therapy is an effective and safe treatment for glands or organs that are functioning inadequately, whether the result of a birth defect, illness or progressive deterioration associated with aging.^{7,13,14}

Adrenal glandular extracts, along with vitamin C, potassium and pantothenic acid, are often used by those exposed to extreme stress or who have been taking corticosteroid drugs such as prednisone for extended periods. Adrenal extracts can also support adrenal function in the case of adrenal failure. In addition, adrenal glandulars may aid diabetic and hypoglycemic patients, as well as those suffering from chronic fatigue or fighting breast cancer. ^{7,13,15}

Spleen extracts are popular in Germany for the treatment of infectious conditions, low white blood cell counts, and as an adjunct in cancer therapy for enhancing immune function in cancer patients. Spleen extracts may also be an effective natural alternative to antibiotic and/or vaccine treatment following the surgical removal of the spleen (splenectomy).¹³

Thymus extracts, rich in thymus-derived polypeptides, have been clinically shown to improve immune function and restore healthy thymus gland activity. Extensive human clinical trials have shown that thymus extracts can improve the symptoms associated with various disease processes, including allergies, infections and malignancies, and can also improve immune functions during aging.^{13,14,16}

Ginkgo leaf has been shown to protect tissues from free radical damage, as well as tone and strengthen blood vessels—it helps reduce capillary fragility and permeability. Ginkgo also improves circulation to the brain and extremities, promotes greater oxygen utilization, and assists in the elimination of toxins. Ginkgo should be used with caution if taking anticoagulant or antiplatelet drugs. Although there are no known contraindications, ginkgo is not recommended during pregnancy and lactation due to a lack of research on the effects.^{6,17-19}

Hawthorn berries are commonly used throughout Europe for their cardiovascular activity—they provide a combination of effects that are beneficial for angina and other heart problems. Specifically, hawthorn berries reduce blood pressure and serum cholesterol levels, improve blood flow and oxygen supply to the heart, and offer significant protection against the development of atherosclerosis. In addition, hawthorn berries may be beneficial, either alone or in conjunction with CoQ10, in the treatment of mild to moderate heart failure.^{5,18,19}

References:

- 1 Sinatra MD, S. *The Coenzyme Q10 Phenomenon*. New Canaan, CT: Keats, 1998.
- 2 Albrecht MS, F. "Is Coenzyme Q10 Supplementation Not An Option, But Critical To Your Health?" *Health & Nutrition Breakthroughs*; February 1998.
- 3 Folkers, K., et al. "Research on coenzyme Q10 in clinical medicine and in immunomodulation." *Drugs Under Experimental and Clinical Research*; 1985, 11(8):539-545.
- 4 Chaitow ND, L. *Thorsons Guide to Amino Acids*. London: Thorsons, 1991.
- 5 Murray ND, M. & Pizzorno ND, J. *Encyclopedia of Natural Medicine*. Prima Publishing, 1998.
- 6 Lininger DC, S., et al. *The Natural Pharmacy*. Rocklin, CA: Prima Health, 1998.
- 7 Balch MD, J. & Balch CNC, P. *Prescription for Nutritional Healing*. Garden City Park, NY: Avery, 1990.
- 8 Murray ND, M. *The Encyclopedia of Nutritional Supplements*. Rocklin, CA: Prima Publ., 1996.
- 9 Wassef RPh, F. "Cardiovascular disease: Reading the correct road signs." *American Journal of Natural Medicine*; Vol. 5, No. 7: 12-17.
- 10 Podell, R. "Bioflavonoids Contribute To Heart Disease Risk." *Nutrition Science News*; Aug. 1996.

- 11 Passwater, R., et. al. *Pycnogenol: The Super "Protector" Nutrient*. New Canaan, CT: Keats, 1994.
- 12 Mindell PhD, E. *Earl Mindell's Supplement Bible*. NY, NY: Fireside Books, 1998.
- 13 Murray ND, M. *Glandular Extracts*. New Canaan, CT: Keats Publishing, 1994.
- 14 —. "Chronic candidiasis: A natural approach." *American Journal of Natural Medicine*; 1997, 4(4): 9-22.
- 15 DeMarco MD, C. "Breast Cancer Treatment Options." *American Journal of Natural Medicine*; 1997, 4(7): 8-12.
- 16 Kouttab, N.M., et. al. "Thymomodulin: biological properties and clinical applications." *Medical Oncology and Tumor Pharmacotherapy*; 1989, 6(1): 5-9.
- 17 Newall, C., et. al. *Herbal Medicines*. London, England: The Pharmaceutical Press, 1996.
- 18 Fetrow, C. & Avila, J. *Professional's Handbook of Complementary & Alternative Medicines*. Springhouse, PA: Springhouse Corporation, 1999.
- 19 Murray ND, M. *The Healing Power of Herbs*. Rocklin, CA: Prima Publishing, 1995.