

Restore and replenish electrolytes and give yourself a boost of energy with **Hemo-Flo**. Electrolytes are minerals that play a significant role in the biochemistry of our bodies. They impact a variety of functions and systems of the body including cell structure, nerve function, energy production, bone strength, and circulation as well as the effects of aging, and toxicity. Electrolyte balance affects such a wide range of body systems that it can have an impact on our overall health and well-being.

Brings Balance

Nerve Function

All electrical impulses in the body are transmitted using electrolytes. Electrical charges are passed from one neuron to another by sodium and potassium and the exchange of certain neural transmitters. Electrolytes help maintain the ionic balance across cell membranes. Ionic balance is what maintains the integrity of the cell membrane. It is estimated that one third of the energy of the body is consumed just in maintaining the ionic balance and hence the integrity of the cell membrane. How this system functions greatly affects how we feel.

Energy Production

ATP (adenosine triphosphate) is the main energy currency of the body. This molecule is made in the mitochondria of cells during cell metabolism when glucose is converted to carbon dioxide and water. Magnesium, phosphate and other trace minerals are essential for the production of energy. Being deficient in these electrolytes will result in low energy levels.

Structure

Calcium, magnesium, and phosphorus play key structural roles in the formation of bones and teeth. These three key electrolytes make up most of the hard structure of the bone matrix. When we are deficient in these important minerals symptoms of osteoporosis and stress fractures may result.

Aging

Electrolytes are essential for healthy, young looking skin. Dry, wrinkled skin is the result of the loss of essential fluids and minerals that keep the skin elastic, hydrated, and smooth. Many of the structural and enzymatic proteins of the body require that electrolytes be present in solution for the protein to maintain form and function. If electrolytes are not present, the protein becomes inactive.

Circulation

In a healthy body, blood flows freely. Deficiencies in certain electrolytes and water can result in three problematic conditions. First, the amount of surface area of the cells that is exposed to oxygen is reduced. As a result, gases cannot be exchanged and the blood becomes less efficient. Second, the blood becomes resistant to flow and becomes sticky. Third, the blood becomes inclined to other more dangerous conditions such as the formation of clots, increasing the chance of myocardial infarction, strokes and phlebitis. Because blood flow is reduced, energy levels drop, and toxins



Supplement Facts		
Serving Size: One Teaspoon		
Servings per Container: 42		
	Amount Per Serving	% Daily Value
Calories	1	<1%
Vitamin C	500 mg	833%
Magnesium	125 mg	31%
Potassium	875 mg	25%

Other Ingredients: Sodium citrate, sodium phosphate, sodium bicarbonate, citric acid, orange flavor, stevia, and lithium bicarbonate.

Is Unique

Hemo-Flo is a combination product

It contains the right ingredients in the right amounts to replenish the body's electrolyte balance. This special blend of minerals and Vitamin C, when mixed with water, is just what you need to restore energy, and improve circulation and nerve function. The electrolytes in Hemo-Flo play a significant role in the biochemistry of our bodies.

Processing

On-site laboratories are constantly monitored and tested by expert chemists and microbiologists to ensure consistent quality of raw materials, product batches, and finished products.

Vitamin and mineral analyses are conducted to validate Hemo-Flo content and specifications, assuring high quality.

FDA Drug Manufacturing Standards

MBi Nutraceuticals operates its own FDA licensed Drug Manufacturing facility. Our standard operating procedures are based on "Current Good Manufacturing Practices" as defined by the Food and Drug Administration. MBi ensures the highest quality nutraceuticals by applying our drug manufacturing procedures to every nutritional, herbal, food, homeopathic, and personal care product we make.

No Additives

This product is made from superior ingredients and formulated to ensure optimum potency. This product contains no starch, salt, or preservatives, and no wheat, yeast, soy, or milk derivatives.

Synergistic MBi Products

Bio-EPA
Glucostatin
E-400 Complex

Further Reading

RJ Maughan, JB Leiper, SM Shirreffs, Factors influencing the restoration of fluid and electrolyte balance after exercise in the heat, *British Journal of Sports Medicine*, Vol 31, Issue 3 175-182, Copyright © 1997 by British Association of Sport and Medicine
Bergeron MF, Heat cramps: fluid and electrolyte challenges during tennis in the heat. *Journal of science and medicine in sport*. 2003 Mar; Vol. 6 (1), pp. 19-27.
H. Nose, A. Takamata, G. W. Mack, Y. Oda, T. Okuno, D. H. Kang, T. Morimoto, Water and electrolyte balance in the vascular space during graded exercise in humans. *Journal of Applied Physiology*, Vol 70, Issue 6 2757-2762, Copyright © 1991 by American Physiological Society
Ole M. Sejersted, Gisela Sjøgaard, Dynamics and Consequences of Potassium Shifts in Skeletal Muscle and Heart During Exercise. *Physiological Reviews*, Vol. 80, No. 4, October 2000, pp. 1411-1481 Copyright ©2000 by the American Physiological Society
Akira Takamata, Hiroshi Nose, Takashi Kinoshita, Munetaka Hirose, Toshiyuki Itoh1, Taketoshi Morimoto, Effect of acute hypoxia on vasopressin release and intravascular fluid during dynamic exercise in humans. *Am J Physiol Regul Integr Comp Physiol* Vol. 279, Issue 1, R161-R168, July 2000



MBi
NUTRACEUTICALS

Bringing Balance Back to Life

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

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800.321.3740