

# BIOLOGICAL THERAPEUTICS REJUVENATE™

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CELL  
THERAPY



## The Secrets of Fulvic Acid Revealed

By Mark Fromm

**Fulvic acid, a natural plant extract, consist of an immense arsenal and array of naturally occurring phytochemicals, biochemicals, supercharged antioxidants, free-radical scavengers, super oxide dismutases, nutrients, enzymes, hormones, amino acids, antibiotics, antivirals and antifungals.**

Fulvic Acid greatly enhances the bioavailability of important trace minerals and regenerates and prolongs the residence time of essential nutrients in the cells. It modifies the damage or toxic compounds such as heavy metals and free radicals and enhance the permeability for digestive, circulatory, and cell membranes.

As the most powerful, natural electrolyte known, fulvic acid restores electrical balance to damaged cells, neutralizes toxins and can eliminate food poisoning within minutes. To the science of living cells, fulvic acid is vital in delivering substantial amounts of nutrients and minerals into living cells. (Do not confuse “fulvic acid” with “folic acid” which is a common B vitamin).

## **The foods we eat are dangerously void of many essential nutrients.**

Do you know that most of us today are suffering from certain dangerous diet deficiencies, which cannot be remedied until the depleted soils from which our foods come are brought into proper mineral balance?

The foods we eat are over-processed and void of many essential nutrients. They are grown in soils that have been over-planted and saturated with synthetic fertilizers and pesticides. Since many mineral supplements are not easily assimilated by the body, mineral deficiencies subject us to more diseases, early aging, sickness and destruction of our physical well-being—more than any other factor in personal health. Fulvic acid is vital to our living cells in helping to carry substantial amounts of nutrients and minerals and delivering their *energies* to the living cells.

Dr. Karim Dhanani - “98% of North Americans are deficient in minerals and trace elements. The plants we grow to feed us cannot manufacture the necessary minerals—our soils do not have all the 60 essential minerals in them. And soils that were once enriched with minerals are now depleted from intensive farming. This is quite alarming. Almost all of the degenerative diseases such as arthritis, hypertension, heart disease, osteoporosis, dental problems, cancer, bone spurs, kidney stones, muscular dystrophy, cataracts, Alzheimer's disease, and more, are either directly or indirectly related to mineral deficiencies.”

### **The Fulvic Acid Phenomenon**

Nature has a way of processing and refining minerals which is called the Fulvic Acid Phenomenon. Fulvic acids are created by micro-organisms in the soil, for the purpose of transporting minerals and nutrients from the soil into a plant. From there, complex photosynthesis reactions produce the components of all the various parts of the plant. Mucopolysaccharides (complex carbohydrate sugars) flow throughout the plant for nourishment. Some is returned to the roots. There, the micro-organisms are nourished and produce Fulvic Acid to complex with minerals and nutrients to restart the cycle again.



In plants, fulvic acid stimulates metabolism, provides respiration, increases metabolism of proteins and activity of multiple enzymes, enhances the permeability of cell membranes, cell division and elongation, aids chlorophyll synthesis, drought tolerance, crop yields, buffers soil pH, assists denitrification by microbes, contributes to electrochemical balance as a donor or an acceptor, decomposes silica to release essential mineral nutrients, detoxifies pollutants such as pesticides and herbicides.

Whenever minerals come into contact with fulvic acid, in a water medium, they are naturally dissolved into an ionic form. These minerals literally become part of the fulvic acid itself. Once the minerals meld into the fulvic acid complex, they become bioactive, bioavailable, and organic. Thus, when elemental minerals are transformed into an organic state, through a natural chemical process involving fulvic acid and photosynthesis, they are safe to be used by both humans and animals.

## **Fulvic Acid—Nature's Detoxifier**

Fulvic acid acts as an important protective agent. As the most powerful, natural electrolyte known, fulvic acid restores electrical balance to damaged cells and neutralizes toxins. When it encounters free radicals with unpaired positive or negative electrons, it supplies an equal and opposite charge to neutralize the free radical. Fulvic acid acts as a refiner and transporter of organic materials and cell nutrients. Fulvic acid also has the ability to dramatically detoxify herbicides, pesticides, and other poisons that it interacts with—this includes many radioactive elements. This detoxification process may extend to animals and humans, since we are the end-users of these plants.

## **Fulvic Acid and Organic Tissue Growth**

The majority of research and experimentation that has been done on fulvic acid is in relation to plants. Yet human beings have been ingesting fulvic acid complexes regularly for over 60 years in supplemental form, and for thousands of years from natural food and plant sources. Clinical research on animals and humans show that the most prominent diseases and health problems of our day have been dramatically affected in positive ways by supplementation or treatment with fulvic acid and other preparations enhanced or created with fulvic acid.

Scientists theorize that mineral deficiency subjects us to more diseases, aging, sickness and destruction of our physical well-being than any other factor in personal health. A great many known ailments, around 60, are directly linked to mineral deficiency. Organic fulvic acids are created by micro-organisms in the soil, for the purpose of transporting minerals and nutrients from the soil into the plant. From there, complex photosynthesis reactions produce the components of all the various parts of the plant. Muco-polysacharrides (complex carbohydrate sugars) flow throughout the plant for nourishment. Some are returned to the roots. There, the micro-organisms are nourished and produce fulvic acid to complex with minerals and nutrients to restart the cycle again.



Fulvic acid enhances the availability of nutrients and makes them more readily absorbable. It also allows minerals to regenerate and prolong the residence time of essential nutrients. It prepares minerals to react with cells. It allows minerals to interact with one another, breaking them down into the simplest ionic forms chelated by the fulvic acid electrolyte.

Scientists working with fulvic acid know that it also is an ultramicroscopic substance that has a most unique messaging relay system that is activated when it comes into contact with living organisms. Just like transfer factor, fulvic acid sensitizes cells, passing on unique information related to immunity. It also has been shown to assist in activating protection and defense mechanisms that are able to be passed on and remain with the organism for life, even with just one contact.

To the science of living cells, fulvic acids are vital in bringing substantial amounts of nutrients and minerals into water solution and delivering their living energies to the living cells.

Fulvic acid assists every stage of cellular metabolism and is the most powerful, natural electrolyte known. It restores electrical balance to damaged cells, neutralizes toxins and can eliminate food poisoning within minutes. When it encounters free radicals with unpaired positive or negative electrons, it supplies an equal and opposite charge to neutralize the free radical.

Fulvic acid acts as a refiner and transporter of organic materials and cell nutrients. Whenever minerals come into contact with fulvic acid, in a water medium, they are naturally dissolved into an ionic form. These minerals literally become part of the fulvic acid itself. Once the minerals meld into the fulvic acid complex, they become bioactive, bioavailable, and organic. Thus, when elemental minerals are transformed into an organic state, through a natural chemical process involving fulvic acid and photosynthesis, they are safe to be used by both humans and animals.

(Liquid minerals are often referred to as ionic or colloidal minerals. The absorption factor of ionic minerals greatly exceeds traditional tablet supplements. Fulvic acid plays an important role in the production of ionic or colloidal minerals.)

“Aside from fulvic acid, I also take also marine phytoplankton, which are another great source of complete natural ionic trace minerals.” Dr. Jerry Tennant, MD, from the Tennant Institute of Integrative Medicine, explains that the micro-nutrients and electrolytes in plankton are exactly what human cell membranes need to carry out their metabolism.

Dr. Jerry Tennant, MD: “The marine phytoplankton are Nature's gift to assist us on our journey to optimal health and wellness through balanced nutrition.. While transient sub-optimal nutrition may be forgiven, a constant diet lacking in micro-nutrients will adversely effect every function, structure, and detoxification function of the human cell. Good nutrition will enhance the structure and function of all organs in our bodies.

Our brains, muscles, hearts, arteries, joints, bones, skin, hair, hormones, immune system, vision, digestion, kidneys, liver will carry out their jobs much better. Metabolically, our lipids, and sugars can be optimized, thus providing more overall energy, minimize weight problems, and improve sleep. These nutrients improve mental function, and memory.”