

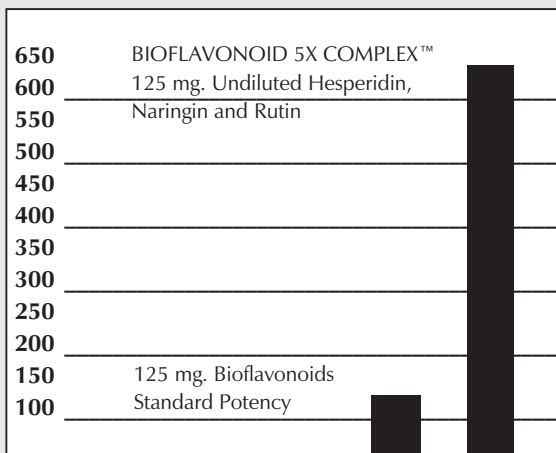
# Boost Lymphocyte Response, Collagen and Adrenaline Formation

## For Maximum Effect—High Potency Vitamin C and Potent Bioflavonoids

Vitamin C is an extremely important nutrient involved in a variety of metabolic functions. Bioflavonoids, sometimes referred to collectively as vitamin P, are a natural companion to vitamin C. When taken together, bioflavonoids and vitamin C are more effective than either when taken alone.<sup>(1,2,13)</sup>

- Vitamin C stimulates the immune system by enhancing lymphocyte response, the production of interferon and antibodies.<sup>(1,2,3,6,7,8)</sup>
- As an antioxidant, vitamin C neutralizes destructive free radicals.<sup>(3,7,8)</sup>
- Large concentrations of vitamin C are found in the adrenal gland and the vitamin is essential for the formation of adrenaline.<sup>(1)</sup>
- Both vitamin C and bioflavonoids are essential for formation of collagen and connective tissue.<sup>(2,10,13)</sup>
- Both nutrients reduce allergy symptoms.<sup>(3,14)</sup>
- Vitamin C is important for sperm motility and may alleviate some forms of male infertility.<sup>(2)</sup>
- Synovial fluid becomes thinner, allowing freer movement in arthritis patients, when serum levels of vitamin C are high.<sup>(1)</sup>
- Absorption of iron is increased by adequate vitamin C and it is necessary for metabolism of other vitamins, amino acids and cholesterol.<sup>(1,2,10,11)</sup>

### POTENCY COMPARISON Standard Bioflavonoids vs. 5X Complex™



Many manufacturing procedures dilute bioflavonoids to such an extent that the active constituents are minimal. The Citrus Bioflavonoid 5X Complex used in Multi-Scorb is an undiluted blend of Hesperidin, Naringin and Rutin, selected for their valuable properties. This complex is 5 times the standard potency, thus 125 mg. would be equivalent to 625 mg. of standard bioflavonoids used in most supplements.

### MULTI-SCORB® 1000 mg. Sustained Release Vitamin C as Mineral Ascorbates with Undiluted Bioflavonoid 5X Complex™

Product No. 940    Fill Size: 100 Tablets  
Product No. 9402    Fill Size: 250 Tablets

Each tablet supplies:	% Daily Value
Vitamin C (as mineral ascorbates) - - - - 1000 mg.	1667%
Calcium (from calcium ascorbate) - - - - - 50 mg.	5%
Magnesium (from magnesium ascorbate) - 30 mg.	8%
Zinc (from zinc ascorbate) - - - - - - - - 3 mg.	20%
Manganese (from manganese ascorbate) - - 3 mg.	86%
Potassium (from potassium ascorbate) - - - 60 mg.	<1%
Citrus Bioflavonoid 5X Complex™ - - - - - 125 mg. (as undiluted Hesperidin, Naringin and Rutin)	*

Other ingredients: dicalcium phosphate, vegetable sterine, microcrystalline cellulose, magnesium stearate, silicon dioxide.  
Recommended Dosage: One to three or more tablets daily.  
Some experts recommend giving vitamin C at 90% of bowel tolerance.

## Replace Essential Minerals with Multi-Scorb's Mineral Ascorbates

Ascorbic acid, often supplied in supplements as sodium ascorbate, can pick up minerals from the system and carry them out in the urine. Multi-Scorb contains no sodium. The mineral ascorbates replace these essential minerals.

In this sustained release form, vitamin C will not upset the digestive system, even in high doses. Mineral ascorbates do not lower stomach pH or cause irritation. Since the body can only absorb a certain amount of the vitamin during a given period of time, sustained release also allows for better absorption.

## Essentials for Collagen Synthesis, Capillary Strength and Integrity

Both vitamin C and bioflavonoids are essential for the synthesis of collagen and connective tissue and must be available in adequate amounts for normal healing to occur. Ligaments, tendons, cartilage, muscle, bone and teeth all require these nutrients for proper healing and maintenance.<sup>(1,10)</sup>

Enhanced collagen synthesis improves capillary strength and reduces permeability of the capillary wall.<sup>(11,13)</sup> This provides a number of beneficial effects:

- In injury, healthy capillaries protect against bruising, hemorrhaging, edema and inflammation.<sup>(9,14)</sup>
- The need for these nutrients increases with age due to greater need to regenerate collagen.<sup>(1)</sup>
- This combination of nutrients has been helpful in the treatment of bleeding gums and may help prevent habitual miscarriage.<sup>(1)</sup>

- Because of their capillary strengthening effect, bioflavonoids have been used successfully in the treatment of stomach and duodenal ulcers.<sup>(14)</sup>
- Reduced capillary permeability reduces leakage of fluids into tissues and may be valuable in reducing

## Excellent Response Seen in Mononucleosis and Other Viral Infections with High Dose Vitamin C Therapy

Dr. Linus Pauling has been a long time advocate of high dose vitamin C for treating and preventing the common cold and flu. More recent clinical studies have shown high doses of the vitamin to be a powerful immune stimulant valuable in treating viral infections such as pneumocystis pneumonia common in AIDS patients.<sup>(3,6,8)</sup>

Robert Cathcart, M.D., recommends using bowel tolerance doses of vitamin C. This started he says, "... when I discovered that the sicker a person is, the more vitamin C he is able to take orally before it produces diarrhea."<sup>(3)</sup>

Dr. Cathcart and others using this method in treating mononucleosis have reported relief of symptoms and blood count returned to normal in one week or less. Conventional treatment of this type viral infection may take weeks or even months. He has also reported dramatic response to high dose ascorbate therapy in acute cases of infectious hepatitis.<sup>(4)</sup>

Dr. Cathcart has found high-dose vitamin C therapy valuable in treating AIDS patients. While it is not a cure, the vitamin does have a positive effect on many of the secondary infections common to AIDS patients. Vitamin C therapy has two very dramatic effects on these patients.<sup>(3)</sup>

- It prevents the acute disease-induced scurvy, making the patient feel better right away.<sup>(3)</sup>
- It prevents allergic reactions to drugs.<sup>(3)</sup>

Dr. Frederick Klenner has successfully used mega-dose vitamin C, both orally and by injection, to treat viral infections for many years. The therapy has been found effective against many types of viruses including herpes, vaccinia, hepatitis, polio, encephalitis, measles and pneumonia. Several factors contribute to the success of this type treatment:

- Vitamin C is rapidly depleted during stress conditions which include all types of diseases. This makes the vitamin essential in treating cancer patients and heart attack victims also.<sup>(1)</sup>
- Vitamin C stimulates the immune system for enhanced production of interferon and antibodies and lymphocyte response.<sup>(1,2,3,6,7,8)</sup>
- Because of its anti-oxidant properties, vitamin C serves to detoxify the disease.<sup>(3)</sup>

The same actions make vitamin C effective against bacteria, including those responsible for tuberculosis, diphtheria, tetanus, staphylococcus and typhoid fever.<sup>(1)</sup>

macromolecular absorption believed to be involved in development of food allergies.<sup>(11,12)</sup>

This combination also reduces allergy symptoms and inflammation by inhibiting release of histamines and other inflammatory substances into the tissues.<sup>(9,14)</sup>

### Increased Vitamin C Requirements

Many factors increase the body's demand for vitamin C and respond well to increased intake.

- With age, the sex glands develop a greater need for vitamin C and will draw it from other tissues.<sup>(1)</sup>
- Smoking and environmental pollutants.<sup>(1)</sup>
- Stress from anxiety, infection, injury, surgery, burns or fatigue.<sup>(1)</sup>
- Prolonged use of antibiotics, cortisone, aspirin or other pain killers; DDT or petroleum fumes.<sup>(1)</sup>
- Sulfa drugs double or triple urinary output of C.<sup>(1)</sup>
- Hypoglycemia and high protein diets.<sup>(1)</sup>
- Any condition that elevates serum copper including schizophrenia, smoking, oral contraceptives, menstruation and the last months of pregnancy.<sup>(1)</sup>
- Cancer patients normally have low C levels.<sup>(6)</sup>

Clinical studies with cancer patients show that high doses of vitamin C "improve survival time, reduce pain and suffering and increase vitality, making it a powerful adjunct to other therapies."<sup>(6,8)</sup> Increase in vitality is believed to be due to the necessity of vitamin C for production of carnitine which transports fatty acids through the mitochondrial membrane where they are oxidized for energy.<sup>(6)</sup>

WARNING: This information is provided for health care professionals only. This publication and the product contained herein have not been approved or evaluated by the Food and Drug Administration. This publication, and the product contained herein are not intended to diagnose, treat, cure or prevent any disease. The product relates to nutritional support only.

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