IMMUNE HEALTH

DRIVEN BY SCIENCE.
INSPIRED BY PATIENTS.

DO YOU EXPERIENCE ANY OF THE FOLLOWING?

- ☐ Weakened Immune System
- ☐ Slow Healing Wounds
- ☐ Constant Stomach Problems
- ☐ Restlessness and Exhaustion
- ☐ Repeated Infections
- ☐ Headaches and Joint Pains
- ☐ Low Stress Tolerance
- ☐ Frequent Sense of Fatigue

ORDER YOUR IMMUNE HEALTH TEST TODAY!

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SpectraCell Laboratories
Science + Health + Solutions

IMMUNE HEALTH

ADVANCING PERSONALIZED HEALTH

WHY IS NUTRIENT STATUS IMPORTANT?

Contrary to established paradigms about health in America, the majority of chronic disease is attributable in large part to cellular deficiencies in micronutrients. By correcting deficiencies, you can prevent, treat, and reverse many medical conditions — from the most serious to the most banal.

VITAMIN A

Retinoids (vitamin A) regulate epithelial cells in the airway which is where many viral infections take hold; Deficiency may render individuals poorly responsive to vaccines. Evidence suggests the ratio of vitamin A to vitamin D affects susceptibility to flu

VITAMIN E

Boosts immune cells' (lymphocytes) ability to effectively respond to viral infections.

SELENIUM

Deficiency linked to higher severity of influenza symptoms; Low selenium can alter viral genomes so that a normally mild virus becomes highly virulent.

GLUTATHIONE

Depletion of this powerful antioxidant is associated with a reduced ability for host cells to fight viral infections; May inhibit the proliferation of influenza viruses.

VITAMIN D

Increases immune cells' ability to fight viruses by stimulating production of compounds(cathelicidin and defensin) that are key proteins in the airway responses against viruses; Deficiency common in viral infections, especially those that affect the respiratory system

VITAMIN C

Exhibits well-documented anti-viral properties; Pharmacological doses have been shown to inactivate influenza virus in vitro.

COPPER

Plays a key role in macrophage function (the cells that eat viruses); Deficiency may lower immunity to viruses; High viral load may increase serum copper relative to other minerals; Balances zinc levels.

COENZYME Q10

Low blood levels occur in influenza patients compared to healthy controls.

Knowing your micronutrient deficiencies is the very first step to increase your body's immunity.

DID YOU KNOW...?

43% of the people taking multivitamins are micronutrient deficient, despite supplementation.*

WHAT THIS TEST MEASURES...

VITAMINS
Vitamin A
Vitamin C
Vitamin D
Vitamin E
Choline

AMINO ACIDS
Asparagine
Carnitine
Cysteine
Glutamine
Serine

CELL HEALTH
Spectrox (Antioxidant Function)
Immunidex (Immune Function)

MINERALS
Calcium
Copper
Magnesium
Manganese
Zinc
Selenium

ANTIOXIDANTS
Coenzyme Q10
Glutathione
Lipoic Acid

*Source: Clayton Foundation for Research; University of Texas Biochemical Institute

MANY PEOPLE LEAD HEALTHY LIFESTYLES, YET THEY STRUGGLE WITH DEFICIENCIES. WHY?

Micronutrient deficiencies may still exist for a host of reasons:

Biochemical Individuality

Individual needs vary, thus micronutrient requirements for you may be quite different from another.

Absorption

Malabsorption is common, and is often aggravated by stress.

Illness (acute or chronic)

Just as micronutrient deficiencies can set the stage for disease, health conditions—and the medications often prescribed to treat them—can contribute to micronutrient depletions

Lifestyle

Diet, physical activity, medication use—all profoundly affect micronutrient demands