

EDUCATION GUIDE

Herbal Immune Support Guide

Information Source: www.energytimes.com

| NAME | WHAT IT IS | WHAT IT DOES |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Astragalus | Astragalus membranaceus, also known as milk vetch root; long used in Traditional Chinese Medicine (TCM) | Traditionally used for frequent colds, shortness of breath and fatigue; has been shown to heighten the activity of immune cells in a "resting" state in addition to encouraging immune cell proliferation |
| Echinacea | Also known as purple coneflower, often grown in gardens; several <i>Echinacea</i> species have shown medicinal qualities | Used as an antimicrobial by 19th-century Eclectic practitioners; analyses of clinical data support echinacea's use in the treatment and prevention of upper respiratory infections |
| Garlic | Allium sativum L., used in cultures around the world as a culinary and medicinal herb | Extracts have demonstrated antimicrobial and immune-stimulant properties; also found to support overall well-being, including cardiovascular health |
| Green Tea | Camellia sinensis, native to southern and eastern Asia; source of all beverages labeled "tea," including green | Long valued by Chinese healers for its many medicinal properties; EGCG, tea's main component, has been found to fight bacteria, fungi and viruses; also available in extract form |
| Maitake | Grifola frondosa, a large, edible mushroom also known as "hen of the woods" for its ruffled appearance | Appears to stimulate a wide variety of immune-system components, among them macrophages, cells that engulf and digest microbes, and NK cells; has shown anticancer effects |
| Olive Leaf Extract | From the same tree, Olea europaea, that produces table olives; native to the Mediterranean area | Traditionally used to ease fevers; contains oleuropein, which fights bacteria and viruses; acts as an anti-inflammatory and antioxidant; has also been found to lower glucose and blood pressure levels |

| Shiitake | Lentinus edodes, an edible mushroom native to the Far East and now cultivated commercially | Contains amino acids and B vitamins; helps stimulate the development of immune system cells; also helps to lower cholesterol levels and fight tumors |
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| Vitamin A | Fat-soluble nutrient in animal products such as eggs and dairy; precursors in produce such as carrots and pumpkins | Initially called "the anti-infective vitamin" because of its importance to immune function; also crucial to proper eyesight, gene regulation and fetal development |
| Vitamin C | A water-soluble nutrient also known as ascorbic acid; found in a variety of produce including citrus fruit and tomatoes | Stimulates a number of immune cells and helps protect them from free-radical damage; also an essential cofactor in numerous enzymatic reactions within the body |
| Zinc | A nutritionally essential mineral found in shellfish, beef and other red meats in addition to legumes and nuts | Required for proper development of immunity factors called T cells; even mild deficiency has been linked to impaired immune function; also vital for neurological and reproductive health |
| Ashwagandha | Withania somnifera, a small, woody scrub native to India, Africa and the Mediterranean also known as "winter cherry"; used in Ayurvedic medicine as a Rosayana, an herb that promotes all-over well-being | Helps regulate immune function and help the body adapt to stress (which can depress immunity); has shown antianxiety and antidepressant properties; appears to stimulate a sluggish thyroid; eases arthritis pain |
| NAC | N-acetyl cysteine, a derivative of the amino acid L-cysteine | Helps clear mucus from the lungs; has led to less severe cases of flu and bronchitis in studies; promotes greater cellular health |
| Selenium | A trace mineral found in Brazil nuts and various types of seafood | Helps regulate immune cell function; deficiency has been linked to impaired immune response and increased cancer risk |

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