Nutrient Support for a Healthy Immune System

Congaplex contains whole food-based ingredients such as organic alfalfa and buckwheat, along with ribonucleic acid (RNA) and antioxidant vitamin A. A daily dose of Congaplex also provides 18 mg of vitamin C (21% DV), 240 mg of calcium (18% DV), and 45 mg of magnesium (12% DV).

RNA

Dietary RNAs are broken down to nucleotides in the digestive system, which helps maintain a healthy pool of nucleotides available for making RNA. RNA carries instructions from DNA for the synthesis of proteins.

VITAMIN A

Vitamin A is essential for normal cell growth, differentiation, and communications. It is also involved in immune function such as by stimulating the growth and differentiation of natural killer cells, T and B lymphocytes.

VITAMIN C

As another key contributor to a healthy immune system, vitamin C functions to support immune system defense through enhancing innate immune pathways, contributing to protective epithelial barriers, enhancing phagocytosis, and through supporting adaptive immunity by enhancing differentiation and proliferation of B- and T-lymphocytes.
In vitro Study using Congaplex

In an in vitro study, the aqueous extract from Congaplex was shown to have immunomodulatory effects on immortalized and primary cultured immune cells. As shown in Figure 1, Incubation of Jurkat cells with Congaplex resulted in a dose-dependent increase in four cytokine levels (GM-CSF, Interferon (IFN)-γ, interleukin(IL)-2, IL-8). Cell culture is a very simplified way to study these effects and comes with limitations. However, it does provide a starting point for future investigation and interesting hypotheses related to the underlying mechanism of action of Congaplex.*

Term Definitions

• Cytokines: signaling molecules that mediate and regulate immune functions

• In Vitro: in cell culture, outside a living organism

• Jurkat Cell: a line of T cells often used in immunologic research

The great majority of the raw plant ingredients used in our products are grown on our organic and sustainable farm

Freshly picked crops are often processed within a day to maintain vital nutrients

We harvest more than 6.5 million pounds of ingredients on our certified organic and sustainable farm


Standard Process is a family-owned company dedicated to making high-quality and nutrient-dense therapeutic supplements for three generations.

We apply a holistic approach to how we farm, manufacture and protect the quality of our products. This comprehensive strategy ensures that our clinical solutions deliver complex nutrients as nature intended. It’s how we define the whole food health advantage.

REFERENCES


