



What is INF V DX?

INF V DX is an innovative microblend of nutrients designed to support and enhance the body's immune system when facing viral threats. The natural ingredients in INF V DX have been chosen for their immunomodulating activity. INF V DX is delivered in microparticles to nourish the blood and tissues and assist with healthy immune response to viral infections

**INF V DX contains:**

- Echinacea (whole plant)
- Boneset (aerial flowering parts)
- Gelsemium (whole plant)
- Goldenseal (whole plant)
- Iodine
- Clubmoss (whole plant)
- Watercress (whole plant)
- Phosphorus
- Phosphoric acid
- Selenium
- Spleen (suis)
- Thymus (suis)
- Zinc\*

(Organic Wild Crafted Sources Free of Gluten, Wheat, Corn, Dairy, Soy, Sugar and Artificial Flavors)

**MOXIE: Belladonna, Lachesis, Nux Vomica, Pyrogenium.**

Other ingredients: 20% Alcohol, 80% Structured Water (Certified organic wildcrafted sources where possible)



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## Benefits

### May prevent and treat infections

Echinacea is widely used for preventing and treating infections of the upper and lower respiratory systems, wound infections. Numerous *in vivo* studies show that Echinacea enhances innate immunity against pathogenic infections through activation of the neutrophils, macrophages, and polymorphonuclear leukocytes (PMN), and natural killer (NK) cells<sup>1</sup>.

Goldenseal is shown to enhance immune response by increasing immunoglobulin production specific against pathogens<sup>2</sup>. Goldenseal is often combined with echinacea in treating the common cold.

### May protect against viral infection

Boneset (*Eupatorium perfoliatum*) has been traditionally used to treat a variety of diseases. Boneset comprises the active anti-viral components quercetin, psoralen, and quercitrin, which have been shown to markedly reduce viral replication<sup>3</sup>.

### Enhances systemic immune response

Described as the 'gatekeeper' of immune function, Zinc is a trace mineral that can enhance antiviral response and systemic immunity in those with zinc deficiency. Zinc may also specifically inhibit viral replication or infection-related symptoms<sup>4</sup>. Zinc homeostasis is essential for multiple aspects of the immune system including hematopoiesis, cell maturation and cell differentiation, cell cycle progression, and for the proper function of immune cells<sup>5</sup>.

### Supports neurological health

Recent scientific work has highlighted the link between anxiety and immune alteration. Gelsemium showed an important immunoreactive effect on the cellular and humoral (IgE) immunity by inverting the effect of anxiety on the white blood cells. In particular, Gelsemium enhanced the function of cellular immune function (including granulocytes, monocytes, total lymphocytes, T-cells and NK cells) and humoral immune function (Ig A, E and G)<sup>6</sup>.

### Support cell-mediated immunity of the thymus gland

Iodine is an essential trace element and its deficiency can affect the immune system and basal metabolic function. Its benefits in strengthening the immune system, fighting viruses and providing subsequent anti-inflammatory benefits has led some researchers to suggest iodine may have a positive effect on fighting COVID-19<sup>7</sup>.

Iodine is an essential component of many immune cells, and leukocyte myeloperoxidase enzyme uses iodine in cell-mediated immunity<sup>8</sup>. Animal studies show that iodine-rich extracts may enhance antioxidant activity and immune system function. *Sus scrofa* supports and modulates activity of the thymus gland, the initial site for development of T cell immunological function<sup>9</sup>.

### Provides antimicrobial defenses

Phosphorus plays an important role in improving the immune system and has positive effects against pathogenic microorganisms. Phosphorus promotes a healthy microbial environment in the gastrointestinal tract and acts as a buffer to possible pathogens<sup>10</sup>. Goldenseal is a powerful treatment for urinary tract infections, shown to exert its antibacterial activities by preventing *E. coli* from adhering to the bladder epithelium<sup>11</sup>.

### Support antioxidant capacity

Selenium is a potent nutritional antioxidant known for regulate reactive oxygen species (ROS) and redox status in nearly all tissues, which strongly influences inflammation and immune responses<sup>12</sup>. Several animal studies have demonstrated that selenium intake can enhance both cell-mediated and humoral immune responses, with results showing that selenium deficiency may result in poorer immune responses to viruses, tumors, and allergens<sup>13</sup>.

### Helps manage inflammation

Watercress consumption was shown to have a significant downregulation of the pro-inflammatory cytokines IL-6 and TNF- $\alpha$ , suggesting that watercress causes a stronger anti-inflammatory counter-regulation during and after exercise. Researchers concluded that watercress intake stimulates the immune system, which may enhance its metabolic capacity<sup>14</sup>.

Belladonna and Pyrogenium are commonly used to treat fever in homeopathy and have been shown to exert antipyretic activity in animal studies<sup>15</sup>.

- 1 <https://pubmed.ncbi.nlm.nih.gov/16102249/>
- 2 <https://www.sciencedirect.com/topics/medicine-and-dentistry/goldenseal>
- 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5541272/>
- 4 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6628855/>
- 5 <https://pubmed.ncbi.nlm.nih.gov/24531756/>
- 6 [https://www.researchgate.net/publication/228515140\\_Effects\\_of\\_high\\_doses\\_of\\_Gelsemium\\_sempervirens\\_L\\_on\\_GABA\\_receptor\\_and\\_on\\_the\\_cellular\\_and\\_humoral\\_immunity\\_in\\_mice](https://www.researchgate.net/publication/228515140_Effects_of_high_doses_of_Gelsemium_sempervirens_L_on_GABA_receptor_and_on_the_cellular_and_humoral_immunity_in_mice)
- 7 <https://www.oatext.com/iodine-an-effective-substance-against-the-covid-19-pandemic.php>
- 8 <https://jlb.onlinelibrary.wiley.com/doi/full/10.1189/jlb.0712349>
- 9 <https://journals.sagepub.com/doi/10.1080/01926230600865549>
- 10 <https://pubmed.ncbi.nlm.nih.gov/26004147/>
- 11 <https://afju.springeropen.com/articles/10.1186/s12301-020-00111-z>
- 12 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3723386/>
- 13 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3723386/>
- 14 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8391159/>
- 15 <https://pubmed.ncbi.nlm.nih.gov/30335611/>



## Dosage

Suggested use: Administer 1-5 sprays into the mouth 1-3 times daily or as directed by a healthcare professional

## Safety and side effects

INF V DX has an excellent safety rating with no reported interactions from the supplement.

INF V DX is not intended to replace any medication or procedures used to treat cancer, viral infections, or illnesses. Do not discontinue treatment or cancer medications without a doctor's permission.

Women who are pregnant, nursing, or any person who is immune-compromised should consult their physician before using this product. Certain medications may interact with individual ingredients – talk to your doctor if you take any medications.

### Disclaimer:

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- Information and statements contained have not been confirmed by additional studies.