



professional strength Immune Maintenance



Fortifies Your Pet's Immune System



Reduces the Likelihood of Infection and Disease



Pharmaceutical Grade



Just as with people, up to 50% of your pet's infections begin in the gastrointestinal (G.I.) tract. **Immune Maintenance** is designed to improve the immune response of the G.I. tract of all pets, especially those whose immune system has been compromised by factors such as stress, nutritional deficiency and disease. This improved immune response will reduce the likelihood and severity of infection and disease.

Included in **Immune Maintenance** is Synermune™ colostrum, collected from U.S. Grade "A" cows that are free of hormones, pesticides and herbicides. Colostrum is a specialized pre-milk secretion of the mammary gland and an incredible source of immunoglobulins, nutrients, vitamins and minerals, nucleotides, immunoenhancing molecules and growth-stimulating factors. This rich source of immunoglobulins and iron-sequestering lactoferrin molecules reduces the chances of pathogenic proliferation in the gut. In addition to fortifying the animal's G.I. tract defences, colostrum contains molecules called cytokines that will be absorbed by the animal, thereby stimulating intracellular communication, antibody production and a whole host of other factors contributing to an improved immune response.¹⁻⁷

Other ingredients in **Immune Maintenance** include specific herbs with proven antimicrobial and antiviral activities that have been included for their ability to protect animals from infection. Echinacea enjoys widespread use as a disease preventative agent and stimulates several components of the immune system (including phagocytes, white blood cells, and cytokines). Astragalus root is another herb commonly used in traditional medicine to enhance the immune system. Rose hips are an excellent source of Vitamins A, B3, C, D, and E, as well as bioflavonoids. Garlic contains many sulfur compounds, which are believed to contribute to its protective properties, and has been proven to have antibacterial, anti-fungal and anti-parasitic properties. Finally, the **Immune Maintenance** formula contains phyosterols. Daily intake of these molecules is required to maintain optimum immune function since they restore the balance to immune systems involved in autoimmune disorders and increase the production and release of interleukins and interferon, chemicals used by the immune system to communicate and fight infections.

1. J Appl Physiol, 83(4):1144-1151. (1997)

2. Aliment. Pharmacol. Ther. 12:563-568. (1998)

3. J. Dairy Sci. 80:667-674. (1996)

4. J. Acquir. Immune Defic. Syndr. Hum. Retrovirol. 13:348-354. (1996)

5. Clin. Infect. Dis. 26:1324-1329. (1998)

6. Am. J. Physiol. 260:G807-G814. (1991)

7. Adv Exp Med Biol 443:261-265. (1998)

Dosage: Immune Maintenance should be given to pets on a daily basis at the following dosages:

Animals up to 50 lbs (23 kg)	1 capsule per day
Animals over 50 lbs (23 kg)	2 capsules per day

If the animal will not eat the capsule, break apart and sprinkle on food. In case of diarrhea, feed three times the normal dosage without capsule until conditions subside.

Ingredients: Synermune™ Colostrum, Echinacea purpurea herb and root extract (4% Echinicosides), Phytosterol (beta sitosterol), Astragalus Root (PE 4:1), Rosehips (PE 4:1), Odorless Garlic (PE 5:1).

ABOUT THE MANUFACTURER

Direct NutriSciences holds a government-issued Natural Health Product Site Licence that exceeds conventional cGMP standards. Product safety is always the highest priority at Direct NutriSciences. All products have been produced in a positively pressured, hepa-filtered environment, which eliminates the threat of any contamination. Direct NutriSciences has developed a reputation of being the leading expert in Formulation and Flavouring in Canada.

