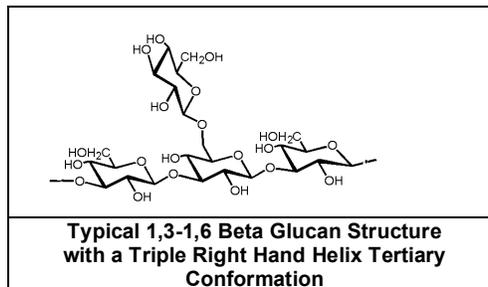


## K-9 Immunity Plus™ Information for the Veterinarian

### DESCRIPTION

**K9 Immunity Plus™** is an orally administered Veterinary Medical Food intended for daily use in adult dogs to optimize immune system response and function while undergoing conventional therapy for cancer and other health challenges. It consists of a heterogeneous mixture of multiple immune activating hetero-polysaccharides, a complex blend of immunoproteins and a blend of omega 3 fatty acids derived from cold water fish oils, in a liver flavored soft chew treat-like wafer. Each wafer of **K9 Immunity Plus™** contains 600 mg of a complex blend of immune activating polysaccharides, including soluble 1,3-1,6 Beta Glucans and high molecular weight (HMW) hetero-polysaccharides. The primary types of immune activating polysaccharides in **K9 Immunity Plus™** are different structures of long chain, high molecular weight, right-handed triple helix structure hetero-polysaccharides, primarily with 1-3 beta-linked glucan main chain formation. The main chain compositions are primarily composed of d-glucose subunits, with greater and lesser degrees of alpha- and beta- linked side chain branching. The side branches contain a number of different five and six carbon sugars such as arabinose, xylose, fucose, fructose, mannose and glucose, with and without attached polypeptides and proteins. These hetero-polysaccharides and polysaccharide-protein complexes are hot water soluble and ethanol insoluble. Each wafer of **K9 Immunity Plus™** also contains 160 mg of an immunoprotein blend containing Transfer Factors class proteins, Alpha- and Beta- immune proteins, Proline Rich Polypeptides (PRP), and immunoglobulin antibodies of the IgA, IgG, IgM and IgY classes, which function is to bind with and increase the absorption and bioavailability of the immune activating polysaccharides. Each wafer of **K9 Immunity Plus™** also contains 600 mg of an Omega-3 fatty acid blend. The Omega-3 fatty acid portion consists of concentrated and purified cold water fish oil extracted from the body fat of Anchovies with an optimized 12:18 ratio of the long chain Omega 3 fatty acids EPA and DHA.



### CLINICAL PHARMACOLOGY

**K9 Immunity Plus™** is a comprehensive immune enhancement and optimization formulation with considerable pharmacological potential. The main action exhibited by the immune-active heteropolysaccharides and protein-bound polysaccharides is for activation and enhancement of various aspects of innate and specific immune responses. The number and activity of T lymphocytes (Tcells), B lymphocytes (B-cells), natural killer cells (NK cells), macrophages and antigen presenting cells (APC) are enhanced. This immune system activation is accomplished by binding of the beta glucans, the HMW hetero-polysaccharides and the glycoproteins to specific receptors on the surface of the immune cells, including Complement Receptor type 3 (CR3), Dectin-1, LacCer, TLR and Scavenger Receptors. The immune-activating polysaccharides bind to the immune receptors as part of a cascade effect, only after priming of the immune cell by exposure to and attachment of a non-self protein antigen molecule, at which point the polysaccharides bind and perform as cellular triggers, activating that immune cell to turn on or go active. Upon activation of any immune cell, the body's immuno-conservative mechanism then triggers a further production cascade of new generations of cells of the same class as the immune cells thus triggered, resulting in a greater immune responsiveness than would otherwise be accomplished without this exogenous triggering mechanism. The enhanced immune responsiveness may also be (at least partly) explained by a generalized microbial antigen response triggered in the small intestines, where the complex fungal cell-wall derived polysaccharides are interpreted by the body as a massive invasion by foreign organisms, thus triggering a heightened state of immune awareness throughout the body, which immune surveillance is then available for addressing other immune challenges which may exist throughout the system.

### INDICATIONS AND USAGE

**K9 Immunity Plus™** is used primarily as an adjunct to conventional chemo- and radiation therapy in canine patients undergoing treatment for cancer. It is indicated as a daily supplement for use in adult dogs to help offset the side effects of chemotherapy and radiation therapy, and for the avoidance of neutropenia and resultant opportunistic infections associated with conventional cancer treatments. **K9 Immunity Plus™** can be used on a daily basis for long periods of time in otherwise healthy adult canine cancer patients, and can result in an overall lower incidence of treatment side effects and enhancement of the QOL parameters, through its immune modulating effect. **K9 Immunity Plus™** is also indicated as an adjuvant in antibiotic therapy and most other treatment regimens, as it is believed that the heightened immune awareness results in a faster and more pronounced response to virtually all other classes of medications.

### CONTRAINDICATIONS

**K9 Immunity Plus™** has no known contraindications in canines. **K9 Immunity Plus™** has not been shown to increase autoimmune disease.

### PRECAUTIONS

There are no known precautions inherent to **K9 Immunity Plus™** besides those used in the normal standards of good veterinary clinical practice.

### USE IN PREGNANCY AND LACTATION

Safety and efficacy of **K9 Immunity Plus™** has not been evaluated in pregnancy or lactation or in puppies under 1 yr. of age. Caution and careful observation should be used in these cases.

### FOOD AND DRUG INTERACTIONS

There are no known food or drug interactions with **K9 Immunity Plus™**.

### WARNINGS

**K9 Immunity Plus™** is intended for use in dogs only. The safety and efficacy have not been studied in other species of animals. **K9 Immunity Plus™** is primarily used as a daily adjunct to conventional therapy in seriously ill canine patients; care givers should be counseled that immune modulation therapy alone may not be the best choice for treating their dog's condition. Likewise, the attending veterinarian should

realize that **K9 Immunity Plus™** is intended to augment and enhance other therapeutic strategies. **K9 Immunity Plus™** is not intended as a stand alone therapy, except in those cases where no other appropriate treatment options are available.

#### ADVERSE REACTIONS

There have been no adverse reactions noted with **K9 Immunity Plus™**. An allergic reaction is always possible with this and all other biologically active agents. If an allergic reaction is suspected, stop the use of **K9 Immunity Plus™** immediately and contact the manufacturer at (775) 886-6300. The usual supportive measure should be employed as with any other allergic reaction.

#### OVERDOSAGE

The acute and chronic safety of **K9 Immunity Plus™** has been tested at dosages up to 1000 times the daily recommended dosage and no incidence of toxicity has been noted. There have been no known incidences of overdosage. **K9 Immunity Plus™** is well tolerated in canines.

#### DOSAGE AND ADMINISTRATION

**K9 Immunity Plus™** is administered once daily based upon body weight per the following schedule. **K9 Immunity Plus™** May be given with or without food with equal effectiveness.

##### DOSAGE FOR DOGS CURRENTLY UNDERGOING CONVENTIONAL THERAPY FOR CANCER, AND FOR DOGS IN AN ACTIVE DISEASE STATE:

For dogs with a body weight of less than 30 pounds (13.6 kgs): 2 wafer per day.
Dogs with a body weight between 31 and 70 pounds (13.6 – 31.8 kgs): 4 wafers per day
Dogs with a body weight over 70 pounds (31.8 kgs): 6 wafers per day

##### DOSAGE FOR DOGS IN REMISSION AFTER CANCER TREATMENT AND WHEN USED AS ADJUVANTS FOR ANTIBIOTIC THERAPY

For dogs with a body weight of less than 30 pounds (13.6 kgs): 1 wafer per day.
Dogs with a body weight between 31 and 70 pounds (13.6 – 31.8 kgs): 2 wafers per day
Dogs with a body weight over 70 pounds (31.8 kgs): 3 wafers per day

##### DOSAGE FOR HEALTHY DOGS

As a daily supplement to maintain optimal immune function and good health, a single wafer per day may be used in any size dog.
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#### HOW SUPPLIED

**K9 Immunity Plus™** comes in Mylar resealable bags based upon the body weight containing 30, 60 and 90 soft chew wafers, which are brown in color, and which weigh 4500 mg each total weight.

#### STORAGE

Store at room temperature out of direct sunlight. Normal shelf life is 2 years from date of manufacture.

#### INGREDIENTS PER 4500 mg WAFER - ACTIVE INGREDIENTS

Omega 3 Concentrate from cold water Anchovy Fish Oil - 600 mg . yielding EPA 66 mg and DHA 44 mg

K9 Immunity Immune-active Polysaccharide Blend concentrate - 600 mg

APS 40 Colostrum-derived Immunoprotein concentrate - 160 mg

**INACTIVE INGREDIENTS FOR WAFERING:** Brewers yeast, Chicken Liver, Glycerin , Soy lecithin, Maltodextrin, Sodium alginate, and Calcium sulfate, Canola Oil, Propionic Acid and Natural Mixed Tocopherols

#### MANUFACTURED BY:

Aloha Medicinals Inc.  
2300 Arrowhead Dr.  
Carson City, NV 89706  
FDA Registration # 19446231888  
Tel: (775) 886-6300

**K9 Immunity Plus™** is 100% Made in America using only American Ingredients. **K9 Immunity Plus™** Contains no imported ingredients.

**AS WITH ALL DRUGS AND SUPPLEMENTS, KEEP OUT OF THE REACH OF CHILDREN**