

# Immune

## HEALTH SOLUTIONS

AP-Bio™

PureMune™

ELDERPRO™

K2VITAL® + VegD3®

*Hereditum*®

PROBIOTICS

Functional  
Fungi

BerriQi

# THE IMPORTANCE OF IMMUNE HEALTH

Clinically substantiated immune support ingredients can help build a high-functioning immune system. The immune market exploded in 2020 as consumers pushed to build their immune systems. As consumers sought more information, novel, clinically supported ingredients came to the forefront. In addition, new research showed how combination ingredients became a great defense in protecting the immune system. AIDP has a unique collection of branded ingredients for immune health, including botanicals, probiotics and validated actives. The long-term forecast for immune health products continues to be positive.



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***Respiratory Support***

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***Seasonal Support***

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***Viral & Bacteria Defense***

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***Improved Defense Mechanisms***

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***Healthy Immune Response***

***Immune  
Conditions***



AP-Bio® is a fast acting, phytochemical composition derived from *Andrographis paniculata*, with seven bioactives clinically researched to support immune health at a low dose. AP-Bio has been studied in multiple preclinical and clinical efficacy studies, which have all shown potent, reliable, and effective immune-support benefits, especially in individuals who reported experiencing symptoms of common cold generated by a lowered immune response. It has been shown to inhibit the release of inflammatory mediators via LTB4, PGE2, TXB2, IL-6, IL-1B, and nitric oxide. AP-Bio showed two times the efficacy vs. placebo in a clinical study against nine common cold key measurements. AP-Bio is clinically shown to support immunity at 200 mg per day and is known to support the management of multiple symptoms of common cold with faster onset of action. This low dose allows for flexibility in formulation and more than 800 million doses have been consumed worldwide.

## PRODUCT FACTS:

### **Advantages:**

- Supports management of multiple cold and flu symptoms
- Natural support for immunity and inflammation
- Clinical research
- Standardized to andrographolide
- Sustainable supply chain
- Fast-acting
- Low dose: 200 mg/day

### **Applications:**

- All forms of immune products
- Tablets, capsules, softgels

### **Certifications:**

- Non-GMO Project Verified
- USP compliant for pesticide residue & heavy metals
- Kosher; Halal



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AP-Bio™ is a trademark of  
Natural Remedies Pvt Ltd.

Immune



PureMune® is a branded insoluble yeast beta-glucan sourced solely from the United States and manufactured in an FDA-registered facility. PureMune has a unique structure allowing improved immune stimulating properties. PureMune offers a low effective dose (30 mg), allowing it to be combined with other ingredients.

## PRODUCT FACTS:

### **Advantages:**

- Sourced only from the United States
- Manufactured in a USA FDA Registered facility
- Fast onset of action
- Enhanced immune modulating properties
- Activates the immune system ~ 5-10X better than other beta-glucans
- Low effective dose (30 mg/day)
- High percentage of beta-glucan: 84.2% vs. 75% typical on the market
- Insoluble beta-glucan (improved effectiveness vs. soluble beta-glucans)
- Low in impurities
- Tasteless and odorless
- High glucose/mannose ratio (202/1 vs. 15/1)

### **Applications:**

- Supplements
- Food and beverage

### **Certifications:**

- FDA GRAS
- Kosher, Halal, & Non-GMO



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PureMune™ is a trademark of  
Immudyne Nutritional.

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Immune



ElderPro™ harnesses the power of two extracts to support immune health. It is a natural product with elderberry (*Sambucus nigra L.*) fruit standardized to 15% anthocyanosides and reishi (*Ganoderma lucidum*) fruiting bodies standardized to 35% polysaccharides. It has a normalizing effect on the immune system and has been shown in clinical trials to reduce both the duration and the severity of respiratory infections.

In vitro research has shown flavonoids from elderberry extracts to contain compounds that decrease the ability of viruses to infect cells and may help to prevent the early stage of viral infections. In a clinical study, the use of elderberry has been shown to shorten the duration of cold and flu symptoms. Reishi's beta-glucan polysaccharides act as powerful immunostimulants by increasing phagocytosis, macrophage activation and antibodies. This clinically supported ratio of elderberry and reishi is an excellent source of polyphenols, anthocyanosides and polysaccharides. Sourced from Germany, the elderberry crops have a long tradition providing transparency and traceability from raw material to botanical extract.

## PRODUCT FACTS:

### **Advantages:**

- Clinical study: Reduces the duration & severity of cold symptoms
- Pesticide free
- Sustainable
- Dose: 1 to 2 grams/day

### **Applications:**

- Immune support
- Tablets, capsules, softgels, sachets, liquid shots

### **Certifications:**

- Non-GMO
- Vegan
- Kosher
- Halal



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Immune

# K2VITAL® + VegD3®

Consumer awareness has driven the popularity of combination products containing Vitamin D3 and Vitamin K2 MK-7. The combination has been studied for synergy and the promotion of a healthy immune response, hormone production and improved lung health.

The awareness of Vitamin D has recently grown for its role in supporting immune health. Approximately 80-90% of the US population is low in Vitamin D. Studies on Vitamin D and immunity grew over 25% in 2020 vs. 2019. Over 350 publications have evaluated the role of Vitamin D in reducing severe outcomes from compromised immune systems. More consumers are seeking out Vitamin D for immune support and now VegD3® offers highly bioavailable, organic and vegan option. VegD3 is the only pure plant-based Vitamin D3 that can be used as a 1:1 replacement for animal-sourced D3. From a sustainable algae source, it offers superior purity and quality to lanolin-based D3.

K2VITAL® is the most biologically active all-trans menaquinone-7 (Vitamin K2 MK-7). There are numerous published studies on K2 MK-7, for various health indications, with several studies in process exploring the connection between K2 and immune health. Specifically, Vitamin K2 MK-7 is currently being studied for its role in helping balance the cytokine release and coagulation processes that occur as part of the inflammatory processes in the body.



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Immune

# K2VITAL® + VegD3®

## PRODUCT FACTS:

### VegD3®

#### **Advantages:**

- Sustainable, scalable and fully traceable supply chain
- 1:1 replacement for animal (Lanolin) based D3
- Clean organoleptic profile & no color impact

#### **Applications:**

- Supplements
- Nutritional bars
- Gummies
- Beverages
- Alternative milk beverages
- Functional foods
- Infant formulas
- Animal nutrition

#### **Certifications:**

- Organic
- Vegan Society
- Kosher
- Halal
- Non-GMO

### K2VITAL®

#### **Advantages:**

- Activates proteins in the body's inflammation prevention pathways
- Regulates coagulation processes
- Necessary to activate a protein that deposits calcium into the bone, diverting it from soft tissues like the heart and lungs
- Helps maintain a healthy heart

#### **Applications:**

- Immune health products
- Respiratory health products
- Heart health products
- Various powder and oil grades suitable for tablets, pills, powders, functional foods and beverages

#### **Certifications:**

- European Food Safety Claims
- TGA approved
- GRAS
- Allergen-free
- Kosher
- Halal



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K2VITAL® is a registered trademark of Kappa Bioscience; VegD3® is a registered trademark of Avlaan Inc.

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BerriQi® is a natural lung support ingredient derived from New Zealand boysenberries. BerriQi can be taken daily to help support a healthy respiratory system with targeted anti-inflammatory and antioxidant mechanisms. BerriQi protects the health of the lungs particularly in those exposed to pollution, allergens and other environmental irritants. New Zealand-grown boysenberries have higher polyphenol and antioxidant levels than boysenberries grown elsewhere, including the USA. Numerous clinical studies led by New Zealand's Institute of Plant and Food Research have shown New Zealand boysenberries help repair damaged lung tissue, reduce inflammation, and reduce mucus production in the lungs.

## PRODUCT FACTS:

### ***Advantages:***

- Reduces inflammation
- Reduces mucus production in the lungs
- Supports healthy lung tissue
- Clinically-supported
- No added sugars or flavors
- Patent pending
- 2.1 g powder dose/  
5.5 mL liquid dose

### ***Applications:***

- Shots
- Beverages
- Gummies
- Capsules/tablets

### ***Certifications:***

- GRAS
- Non-GMO



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BerriQi® is a registered  
trademark of Anagenix Ltd.

A decorative graphic in the bottom right corner features several translucent, faceted crystals or ice cubes. They are set against a background of a light blue and green gradient with a subtle grid pattern. The word 'Immune' is written in a white, sans-serif font across the bottom of this graphic.

Immune



# Hereditum®

## PROBIOTICS

Hereditum® is a line of premium, clinically-studied probiotics. Immunactiv K8 is a goat milk strain of *Lactobacillus coryniformis*. In a randomized clinical trial with healthy elderly adults, it reduced symptoms associated with respiratory infections, improved immune response and protected against future infections. It has a low dose, making it an ideal candidate to combine with other ingredients.

## PRODUCT FACTS:

### Advantages:

- Supports adult immune health
- Protects against future infections
- Low dose: 120 mg

### Applications:

- Pills and tablets
- Sachets
- Beverages & shots
- Gummies
- Functional foods & snacks

### Certifications:

- FDA GRAS
- NDI
- Kosher
- Halal



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of Biosearch Life S.A.

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Immune



# Functional Fungi

Functional Fungi™ products are domestically grown, high quality, certified organic mushroom powders utilizing a unique high anthocyanin substrate, purple corn. The state-of-the art, multi-patented cultivation processing technology results in consistent 100% pure single strain powders or custom blends. Functional Fungi grow process combines nutrient-rich processes that results in a functional mushroom powder superior to other commodity mushroom powders. Most mushroom powders are grown on inert nutrient-poor substrates like oat, rice, millet, cereal, and sawdust. For over 20 years, Functional Fungi has ensured quality in every step through its vertical integration, technological approach, and a consistent supply chain.

Mushrooms contain important, immune-boosting compounds: beta-glucans, polysaccharides, and prebiotics. Mushrooms are adaptogens and act to augment and regulate the body's immune system while providing support for daily environmental stressors.

- **Cordyceps:** Adaptogen/energy
- **Lion's Mane:** Brain/cognitive health
- **Reishi:** Energy & liver health
- **Shiitake:** Antiviral, aids with circulation
- **Maitake:** Prostate & immune health
- **Turkey Tail:** Immunologic stimulator & modulator
- **Chaga:** Strong beauty from within uses
- **Plus 13 other mushroom strains,** available upon request
- **Custom & Proprietary Blends**

## PRODUCT FACTS:

### **Advantages:**

- Seven strains for a wide range of health benefits
- 100% pure mushroom powders
- All-natural whole food solution
- Sustainable
- USA grown
- Patented technology

### **Applications:**

- Dietary supplements
- Meal replacement powders
- Functional food and beverages

### **Certifications:**

- Organic
- Gluten free
- Kosher



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# Immune Health Ingredients



	BEVERAGE	KOSHER	VEGETARIAN
AP-Bio®		✓	✓
PureMune®	✓	✓	✓
ElderPro™	✓	✓	✓
K2® + VegD3® Combo	✓	✓	✓
Hereditum K8®	✓	✓	
Functional Fungi®	✓	✓	✓
BerriQi®	✓	✓	✓
Ascorbic Acid (Vitamin C)	✓	✓	✓
Thiamine HCl (Vitamin B1)	✓	✓	✓
Vitamin A Palmitate 250-enVantec™	✓	✓	✓
Vitamin A Palmitate 500-enVantec™	✓	✓	✓
Vitamin A Acetate 250-enVantec™	✓	✓	✓
Vitamin D3 100,000 IU-enVantec™	✓	✓	✓
Vitamin D3 Pure	✓	✓	
Cordyceps 7%	✓	✓	✓
L-Glutathione	✓	✓	✓
N-Acetyl L-Cysteine	✓	✓	

## ABOUT AIDP:

AIDP Inc. is a leader in functional ingredients with a focus on extensively researched products. We provide cutting edge ingredients that meet consumer demand for wellness and healthy aging. AIDP identifies trends early, provides unique solutions and works with customers to formulate strong market potential end products. Our commitment is to source high-quality ingredients and provide proprietary solutions.

# AIDP

Your Trusted Partner

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\*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.