



Welcome To: Ultra Bio-Logics Inc.



Introducing Our Poultry Turkey Enzyme Feed Ingredients

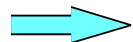


Animal Health Through Natural Balanced Nutrition

For Poultry and Livestock Growers and Feed Manufacturers Use

With Natural Biological Solutions to Nutritional Pollution

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New Liquid PB-20 Poultry Enzyme



Water Injectable Enzymes



**Improves Weight Gain in Broilers and Turkeys
Improves Egg Shell Quality Egg Production Hatchability
Less Mortality and Improved Grading
Improved Feed Conversion with Improved Profits**

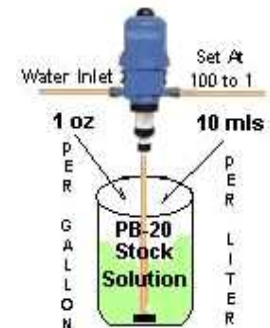
Poultry Enzyme Solution PB-20 is a poultry feed additive containing more than 20 enzymes combined with beneficial organic plant extracts of natural origin in a concentrated, easy to use and mix liquid form, as a poultry drinking water additive for poultry broilers, layers and turkey grower applications.

Poultry Enzyme Solution PB-20: Does not contain any synthetic growth hormones or mutating live bacterial cultures.

General Use Rates Methods: Poultry Drinking Water Applications

a- Prepare a stock solution of 10 ml of Poultry Enzyme Solution per Liter (1,000 ml) or (1 oz per gallon) of water and inject this concentrate into your water line through your medicator unit set at a ratio of 1 to 100 (As per illustration) —>

b- Use the above solution for the first 7 to 10 days and then reduce the concentration of your stock solution by 50% until your birds, broilers turkeys are shipped for processing.



Poultry Enzyme Solution PB-20

New PB-20 Liquid Drinking Water Enzymes - Details

Natural Water Injectable



Enzyme Plant Extract Formula

A. Soluble Water Stable Enzymes

1. Boost the immune system: In a series of chemical reactions the enzymes contained in PB-20, produce amino acids for the immune cells. These immune cells then produce interleukins, which play a critical role in fighting and preventing infection.
2. Reduced water-holding capacity, thus increasing dry matter content stimulating feed intake improving Feed Conversion Ratio.
3. Reduce dry matter outside the body, thus have a great impact on excreta volume and composition
4. Increase the effectiveness of host enzymes thus improving Feed Conversion Ratio and promoting growth.
5. Increases T-Cell production and activity within a short period after digestion, raises white cell blood count thereby strengthening the immune system.
6. Improve digestion / absorption of nutrients required for proper immune system performance and proper production performance by increasing energy level
7. Aid in digestibility by making nutrients more bioavailable to the animal improving Feed Conversion Ratio and promoting growth.
8. Reduces flatulence.
9. Phytase for egg shell quality and for better phosphorus bioavailability

B. Liquid Natural Plant Sarsapogenin: Glycocomponent Fraction + Saponins

1. Glycocomponent fraction binds to ammonia, thus reducing ammonia levels in animal production facilities, this results in reduced odor and improves animal performance under wide variety of conditions by reducing environmental stress while enhancing growth.
2. Saponins are effective in suppressing rumen protozoa, again by reacting with cholesterol in the protozoal cell membrane, causing it to lyse, thus decreasing the impact of protozoal diseases (coccidiosis) on the performance of the animal such as diarrhea and malabsorption thereby increasing growth rate and feed efficiency.
3. Particularly in situations of crowding and stress, steroid saponins contained in PB-20 have been demonstrated to improve animal performance, thereby acting as a Natural Growth Aid

C. Laminaria Species Soluble Atlantic Kelp: Amino Acids+Trace & Macro Mineral+Vitamins

1. Amino acids are the building blocks of life, joined together in chains that make up proteins. Proteins are a necessary part of every living cell in the body. Proteins are very important in the manufacturing of hormones responsible for a strong immune system and they boost the immune system by enhancing the production of T-cells and antibodies;
2. Since digestive enzymes are made up of amino acids and if enough amino acids are not provided, enzyme production will diminish and digestive function can become progressively more impaired leading to disease.
3. Micro and Macro Mineral: With high levels of essential immune nutrients such as Vitamin A (Essential for immune system). Vitamin C and E-Benefits immune system, Vitamin B2 Creates body tissue and red blood cells, Iron- Essential for immune function, Selenium-Aids immune response , Zinc-a critical nutrient of immunity.
4. Known as a great promoter of glandular health, especially for the pituitary, adrenal and thyroid glands.
5. Natural source of iodine, which acts as an antibiotic to kill germs, increasing growth rate and feed efficiency.
6. Acts as a receptor blocker for many pathogens including Salmonella.
7. Has also increased the protein to fat ratio in animals increasing growth rate and feed efficiency.

Poultry Enzyme Solution PB-20: provides synergistic effects from all its components, and the result is a healthy digestive tract efficiently providing nutrients for optimum health and performance, and an active immune system capable of overcoming the disease challenge.

Poultry Enzyme Solution PB-20



Bio-Logics Bio-Glucanase 10x



The Water Soluble Enzyme Solution For Improved Poultry Feed Assimilation



- **PRODUCT:** A Water Soluble blend of the extracts of BACILLUS SUBTILIS and ASPERGILLUS NIGER which includes high concentrations of beta-glucanase (gumase) , and small to moderate levels of alpha-amylase, hemi-cellulase, pectinase, protease and xylanase activities.
- **IDENTIFICATION:** 1,3-(1,3;1,4)- beta-D-glucan 3 (4) -glucanohydrolase, I.U.B. No. 3.2.1.4 (according to the Recommendations of the Nomenclature Committee of the International Union of Biochemistry on the Nomenclature and Classification of Enzymes. Association of American Feed Control Officials. AAFCO feed ingredient definition number 36.6.

PURPOSE: As a concentrated source of hydrolytic (degrading) enzymes which may be used in feed industry products and in enzyme bearing supplements where increased enzyme activity is desired.

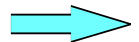


ANALYSIS:

Beta glucanase activity	1000 BGU/mg
This would be equivalent to	1,000,000 BGU/g
Alpha amylase	Moderate
Hemi-cellulase	Moderate
Pectinase	Moderate
Protease	Moderate

Analysis of moderate enzyme activities upon request.

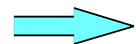
METHOD OF ANALYSIS: Modified FCC, AATCC (ANSI) Methods



Benefits of: Bio-Glucanase 10x



- **A- Use less high cost soya** by un-locking the non-starch polysaccharides and raffinose, which increases the total energy of soya and even corn, by 10 to 17%
- **B- Bio Glucanase 10x** also increases amino acid digestibility
- **C- Bio Glucanase 10x** could save you as much as 12% in a typical diet
- **D- Bio Glucanase** is completely water soluble and highly stable during pelleting
- **Bio- Glucanase 10x** is a pure concentrate free of inert fillers and other quality reducing agents, making it one of the most economical and effective feed manufacturers enzyme ingredients available.
 - *** Reduce Energy By Up To 10% ***
 - *** Reduce Protein And Amino Acids By Up To 10% ***
 - *** Reduce Your Net Feed Cost By A Min. Of 10 to 60 U.S. dollars/per/ton**





BioZyme ABHP



Product: A water dispersible blend of the extracts of Bacillus subtilis, which includes high concentrations of alpha-amylase, beta-glucanase (gumase), protease, and hemi-cellulase.

Purpose: As a concentrated source of hydrolytic (degrading) enzymes which may be used in enzyme bearing supplements where increased enzyme activity is desired.

Status: GRAS Animal Feed Ingredient. American Association of Feed Control Officials

AAFCO definition: 36.6 Dried Bacillus subtilis Fermentation Extract.

Typical Analysis:

Amylolytic Activity:	24,000 B.A.U./gram
Beta glucanase Activity:	12,000 Beta glucanase units/g.
Hemi cellulase Activity:	900 Hemi cellulase units/g.
Protease Activity:	18,000 Casein Digesting units/g.

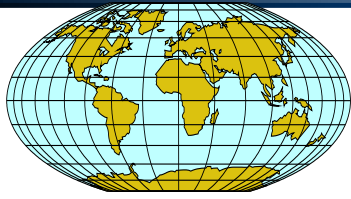
Method of Analysis Modified FCC,AATCC, (ANSI) Method

Appearance: Light tan, free flowing granular powder; yeasty, fermentation odor.

Important Note: Bacillus subtilis amylase is particularly useful in poultry pellet feed processing applications due to its high degree of stability. This enzyme's resistance to denaturation by temperature and pH extremes make it particularly durable . This endo-acting amylase very rapidly dextrinizes starch components bypassing branch points which often serve as blocking points to other exo-acting amylases including glucoamylase.

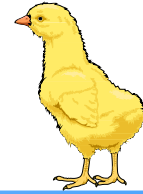
General Use Rates: 4 to 8 oz per ton / 125g to 225g per metric ton / 2,200 pounds



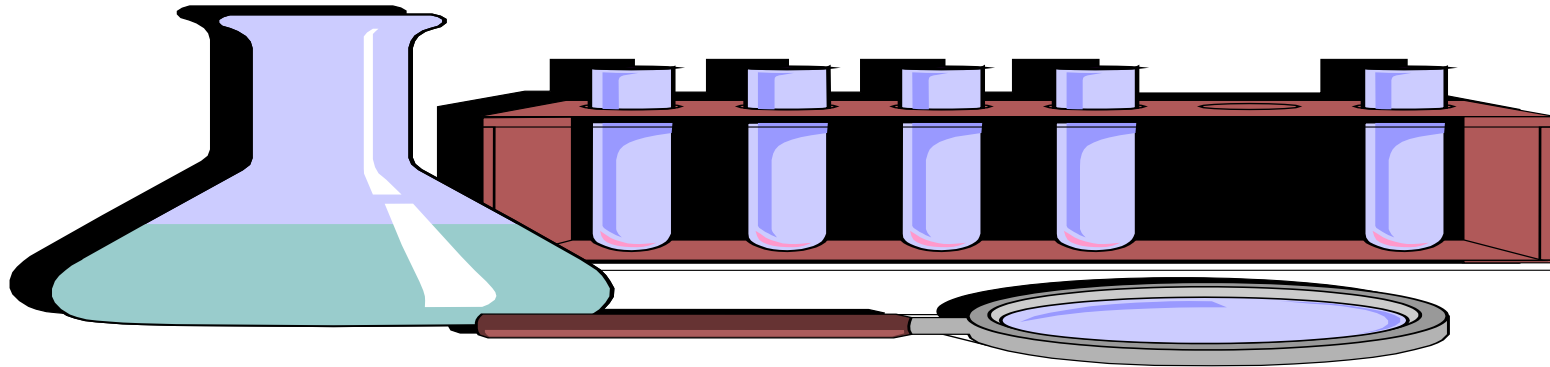


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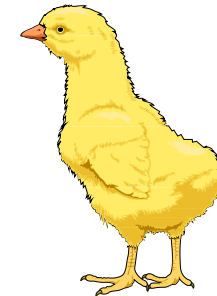
Thank You for R eviewing Our Product Information



International Export Division: 24 Seguin Street, Rigaud, Quebec, Canada J0P 1P0
Tel. 450-451-4195, 450-451-6277, Fax 450-451-6167



[Bio-Logics Internet WWW Site: www.ublcorp.com](http://www.ublcorp.com)



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