

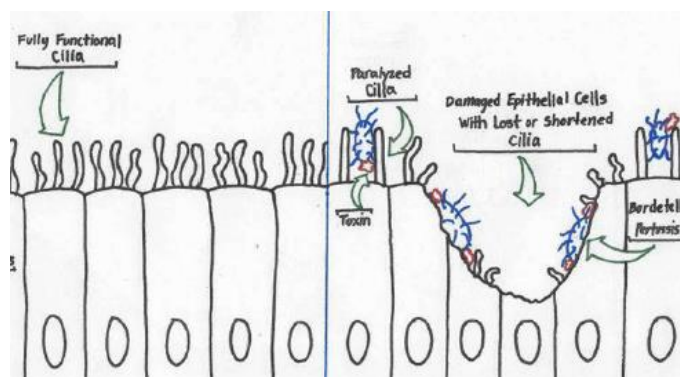


Respeace: The Complete Resilient Respiratory Solution

“One disease that seems to have evolved with modern animal production is respiratory disease”

As modern animal production has evolved the industry utilized both technological and scientific advancements for adapting new management systems to successfully eradicate and control diseases. However, meat and egg producers or veterinarians are still continuously being challenged by disease and poor animal performance. One disease that seems to have evolved with modern animal production is the respiratory disease which has increased costs of production also serving as a major source of frustration.

Respiratory tract diseases in poultry are considered the main health problem, causing an increase of carcass condemnations and a decrease in the productivity of the flocks (Portz C. 2008). If the avian evolutionary adaptation makes respiratory efficiency superior to that of mammals, this particularity also facilitates the occurrence of pathologies (Inoe et al. 2009). The presence of air sacs makes them more susceptible and exposed to outside environment of poultry house with each breathe. The narrow duct communicates the nasal sinuses in birds, makes it difficult to drain secretions. Likewise, the muco-ciliary apparatus which is the characteristic of the respiratory tract histology is absent in the air sacs, so these structures are more predisposed and susceptible to infections (Abreu JT. 2014).



Picture 1: Malfunctioning cilia

Below are the factors which affect the respiratory system of the of birds.

- 1. Non-pathogenic factors (ammonia and dust).** These including excessive dry litter, overcrowding, feeding dust, and poor ventilation that adversely affect the chickens' health and cause irritation respiratory distress. Allergic reaction happened due to histamine release and leads to inflammatory reactions followed by suppression of immune system.
- 2. Malfunctioning of cilia (Picture 1) and goblet cell.** There is high risk of infection during cilia regeneration period which is about 7-14 days.
- 3. Pathogenic conditions.** Bacteria and virus causing low pathogenic avian influenza (LPAI), chronic respiratory disease (CRD), new castle disease (ND), infectious coryza, infectious bronchitis (IB), infectious laryngo tracheitis (ILT), and fowl cholera.



Respiratory disease in pigs is common in modern pork production and is often referred to as porcine respiratory disease complex (PRDC). PRDC is polymicrobial in nature, results from infection with various combinations of primary and secondary respiratory pathogens (both virus and bacteria). As a multifactorial disease, environmental conditions, population size, management strategies and pig-specific factors such as age and genetics also play critical roles in the outcome of PRDC. These factors can sufficiently compromise the pigs respiratory defense mechanisms, resulting in severe respiratory disease. Most often this occurs 8 to 10 weeks following placement into the finishing facilities (Honnold Cary, 2009).

The most common viral pathogens associated with the PRDC are porcine reproductive and respiratory syndrome (PRRS), swine influenza (SIV), pseudorabies virus (PRV), and porcine respiratory corona virus (PRCV). The bacterial pathogens associated with PRDC are classified as primary or secondary pathogens.



Picture 2: Symptoms of PRRS

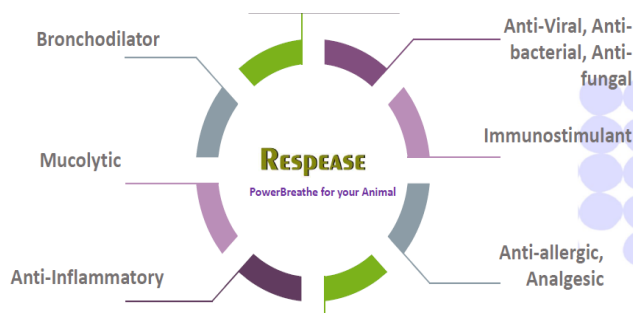
The respiratory problems of both poultry and swine is a substantial challenge to veterinarians and producers. The bird's mortality is not the actual challenge but the high morbidity, cost of treatment, poor growth, reoccurrence of the respiratory problem, lowered immunity are the main reason of the economic loss.

Respiratory problems are worldwide concern, given the prophylactic use of antibiotics in animal and birds and growing concerns of antibiotic resistance. Further, after treatment with antibiotics, reoccurrence of the respiratory disease is still common.

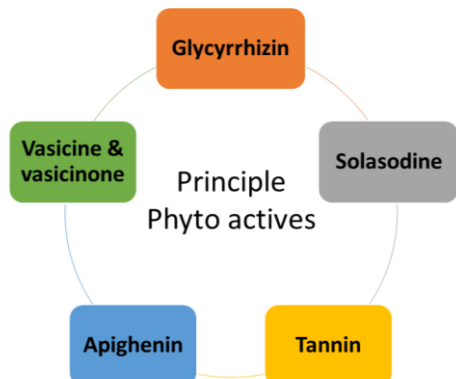
Development of alternative antibiotics is the need of the hour which should be the comprehensive solution and provide with safe, efficacious, resistance free with minimal relapse treatment and also works by boosting the immunity of the respiratory tract of the animal to counter the adverse conditions.

Researchers in this front at the research and development facility of Natural Remedies Pvt. Ltd. Bangalore, India have put their efforts to search for the holistic solution and reviewed the very efficient ancient knowledge of Ayurveda and develop a poly herbal solutions "Respease".

Respease is the perfect blend of phytoconstituents of many herbs which are well known and documented for their pharmacological property for alleviating distress from respiratory distress like *Glycyrrhiza glabra*, *Adathoda vasica*, *Solanum xanthocarpum*, *Curcuma zedoaria*, *Ocimum sanctum* and etc.

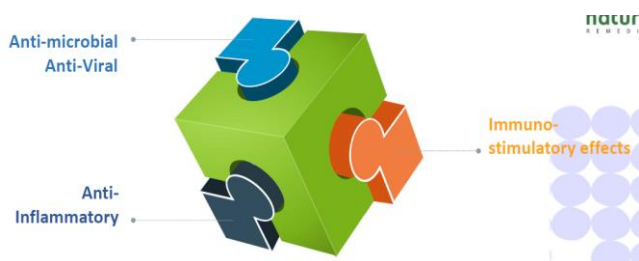


Picture 3: Benefits of Respease



Picture 4: The main Phytoactives of Respease and their importance.

Glycyrrhizin is generally recognized as safe (GRAS) for use in food by U.S. FDA. The expectorant and anti-inflammatory activity of the molecule is already established by British Herbal Pharmacopoeia-1990. Glycyrrhizin significantly attenuate goblet cells and display glucocorticoid like anti-inflammatory effects (it inhibits IL-8 production and NF-κB dependent transcription in lung epithelial cells) (Yokomizo K and Isohama Y, 2008). Antitussive property has also been attributed to glycyrrhizin which accelerates tracheal mucus secretion (WHO 1999). Immune-stimulatory action was also noted as complete survival was observed when mice infected with influenza virus A2 (H2N2) were treated with 10 mg glycyrrhizin/kg (Utsunomiya et al. 1997).



Picture 5: Functions of glycyrrhizin.

Glycyrrhizin also known to stimulate B interferon production by T cells. Invitro antiviral activity was also observed against severe acute respiratory syndrome (SARS) corona virus, HIV virus and Japanese encephalitis virus. (Utsunomiya et al. 1997; Cinati et al. 2003)

Invitro efficacy of glycyrrhiza against local isolates of *Mycoplasma gallisepticum*, *Staphylococcus aureus*, *Listeria monocytogens*, *E. coli*. etc. (The journal of Animal & Plant Sciences, 25 (1) 2015).

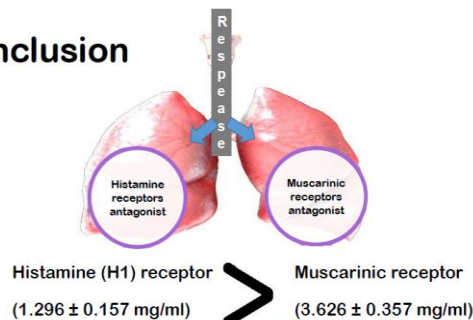
Vasicine and Vasicinone are derived from *Adhatoda vasica* and they display significant bronchodilator activity. Bromhexine (mucolytic drug) is developed from vasicine. Medicinal combination products containing *Adhatoda vasica* has been marked in EU for more than 15 years. They stimulate respiratory system by protection against histamine induced bronchospasm, antitussive effect, expectorant action and antispasmodic effect.

The active ingredient Apigenin displays anti-allergic effect (Hirano et al. 2004) and Solasodine display anti-pyretic effect (Kanika et al. 2013).

Tannins are also known to display bronchodilation, antispasmodic effect, scavenging activity against peroxides and antimicrobial activities against bacteria and virus.

Most of the respiratory supportive activities of the Respease are proven via various in-vivo and in-vitro tests.

Conclusion



Respease showed significant bronchodilatory activity



Trial: Evaluation of efficacy of Respease in management of chronic respiratory disease (CRD) in commercial broilers.

Parameters	Details
No of Birds	4000 Vencobb commercial birds (2000 birds in control shed and 2000 birds in Respease treatment shed).
Type of Shed	Open well-ventilated shed with automatic drinkers and feeders.
Management	Uniform housing and management for both the groups.
Treatment	The trial period was of 45 days. The Respease was administered at the rate of 1ml/Liter of drinking water along with oral antimicrobial at the age of 26 days for the period of 10 days when respiratory distress symptoms were observed.

Result:

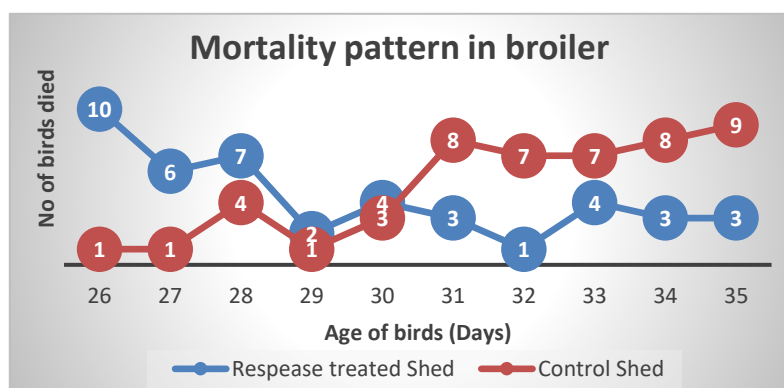


Figure 1: Mortality pattern of broiler birds in the both the sheds.

Observation:

1. Respease administration during the respiratory distress subsides the symptoms like gasping, respiratory rales, coughing, sneezing, swelling of eyes and over all dullness of the birds.
2. Within 2 days of the Respease treatment, mortality gone down significantly and at the end of 10th day the birds were completely recovered.
3. In the post-mortem of the Respease treated birds also revealed reduction in accumulation of mucus or exudates in the trachea and inflammation of mucous membrane of upper respiratory tract.

Thus, Respease has been proved to be comprehensive solution which provide a holistic approach towards the managing the respiratory problems in birds and animals.



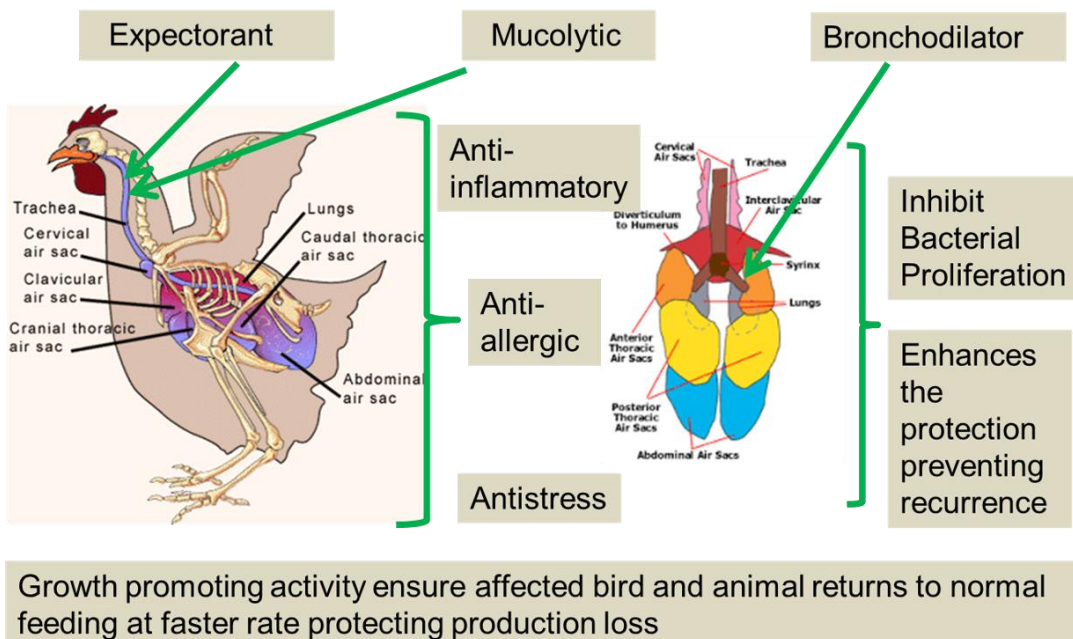


Figure 2: Depicting the holistic approach of Resease in providing the all-round protection in respiratory distress condition.

Resease is safe and efficacious polyherbal formulation which is available in both powder and liquid form and can be used in below mentioned conditions.

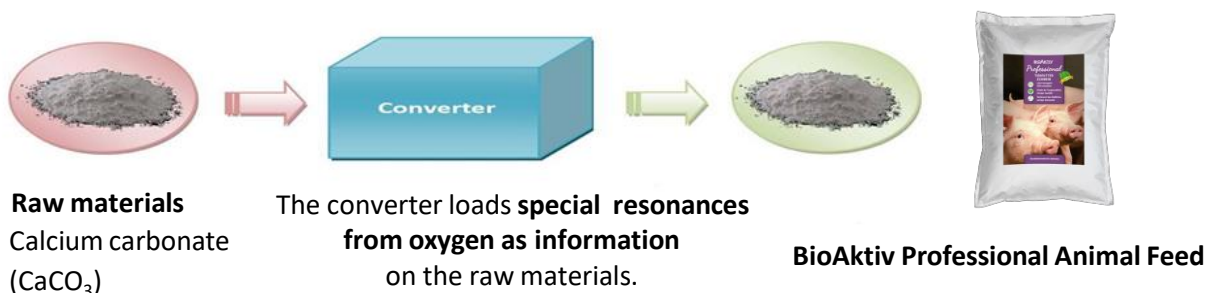
- As a co-therapy in respiratory disease of any etiology for prevention of production losses due to respiratory distress.
- For faster recovery and relieves from the respiratory symptoms and restore normal respiratory functions.
- For boosting respiratory immunity and optimizes performance.
- Minimize reoccurrences of respiratory distress.

Kindly contact us to seek for reference sources in more details.

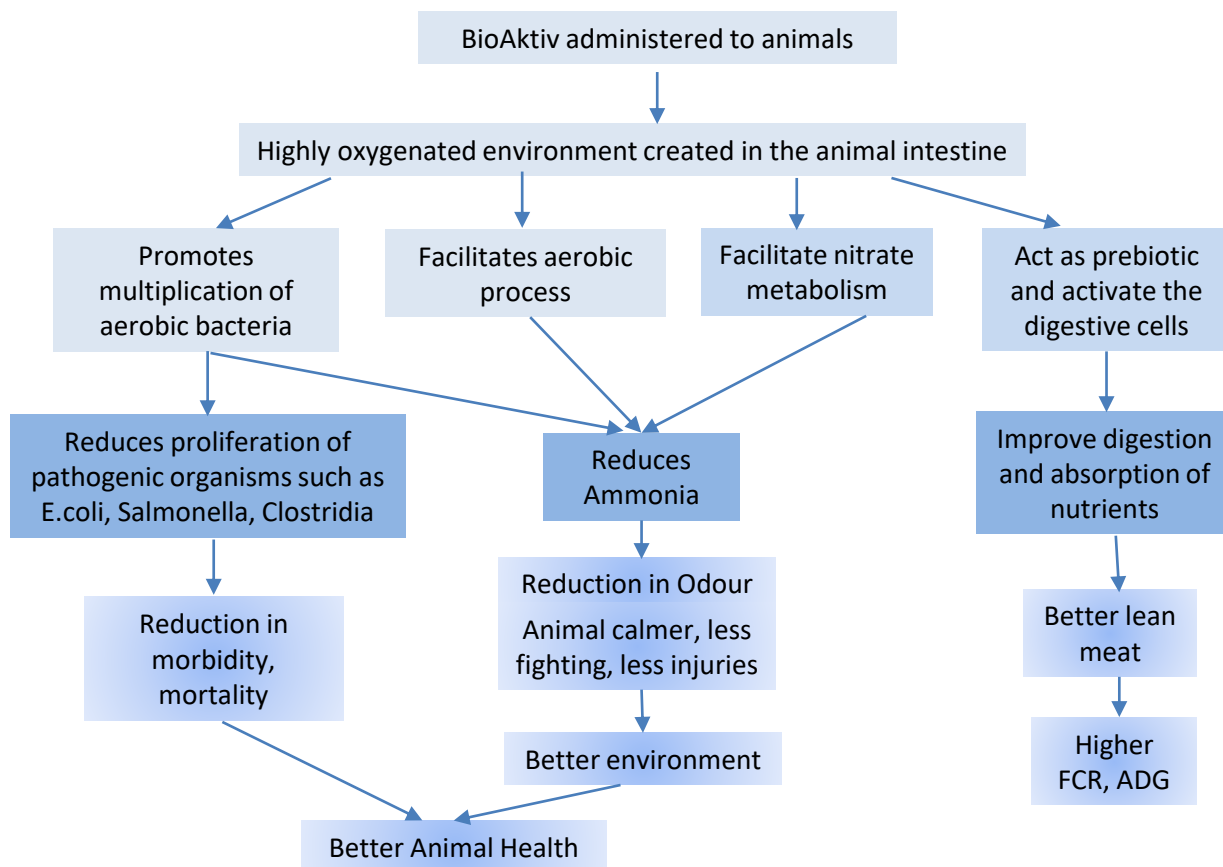


BIOAKTIV Professional Animal Feed for Pig and Poultry

BioAktiv is grouped as a kind of prebiotics. It promotes and sustains the living energy balance and enhancing the health of the animal. The product is manufactured using a process known as **bioresonance**. This technique **uses the oxygen to generate resonances** within the product's natural oscillations.



When a BioAktiv product is ingested by an animal, the oxygen bioresonance frequency information in the product induces the surrounding oxygen atoms to vibrate at its natural frequency. It created an oxygenated environment conducive for aerobic process. Therefore, it enhances the function of the animal living cells in the digestive system.



Please contact us for more details.

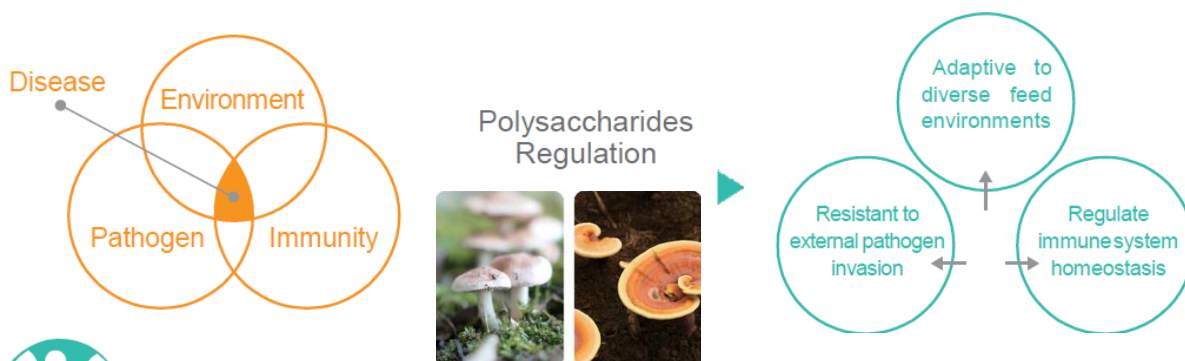


Increase Pig Productivity by Amazing Active β -1,3-1,6 glucans namely Mushroom Sweet

Human had discovered the edibility and benefits of mushrooms (fungi) over 2000 years, more than 1,500,000 related research reports and publications, citing variety of different natural metabolites of mushrooms (fungi) — amongst which over 700 metabolites have been identified to have pharmacological properties.

Mushrooms (fungi) contain variety of biologically active compounds which impart various medicinal properties. One of the most researched compound in mushrooms is polysaccharide in particular. Macromolecular polysaccharide are the most prominent for supporting immune regulation as well as having both anti-inflammatory and anti-oxidant properties.

Acting as a Biological Response Modifier (BRM), mushroom polysaccharides help regulate the physiological mechanism of the host (animal) body, allowing the host to adapt better to diverse environments, biological stress and maintain homeostasis between its hormone and body functions.

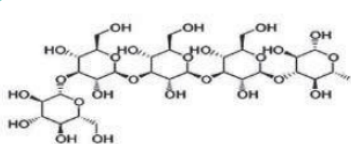


What is macromolecular polysaccharides in mushroom?

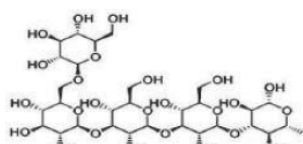
Mushroom polysaccharides consist mainly of glucan polymers with different structures and linkages.

Amongst which, mushroom polysaccharides made of β -glucan (1,3)-(1,6) structure can impart higher pharmacological activities— as bigger molecules have higher bioactivity.

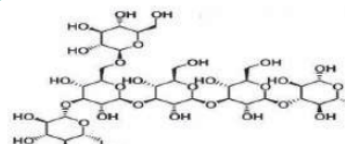
Structure diagram



Main chain β -1,3 Linkage



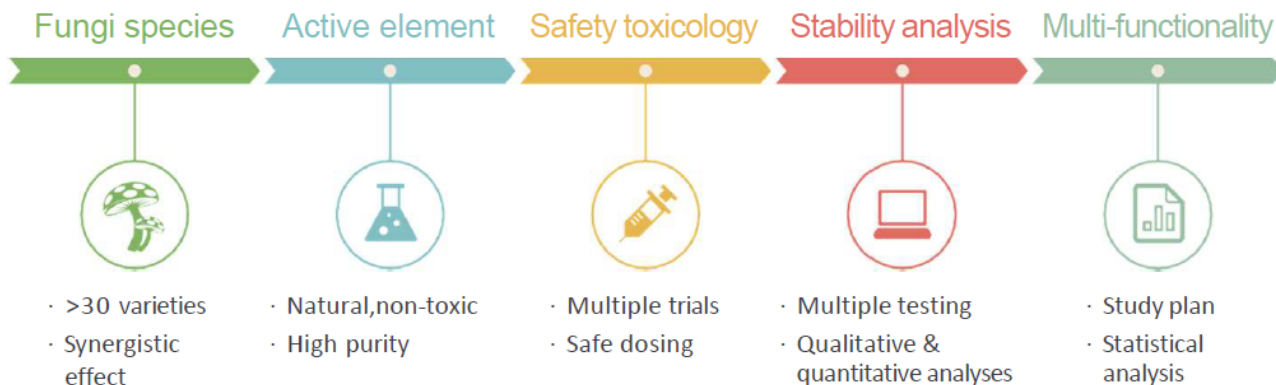
Side chain β -1,6 Linkage



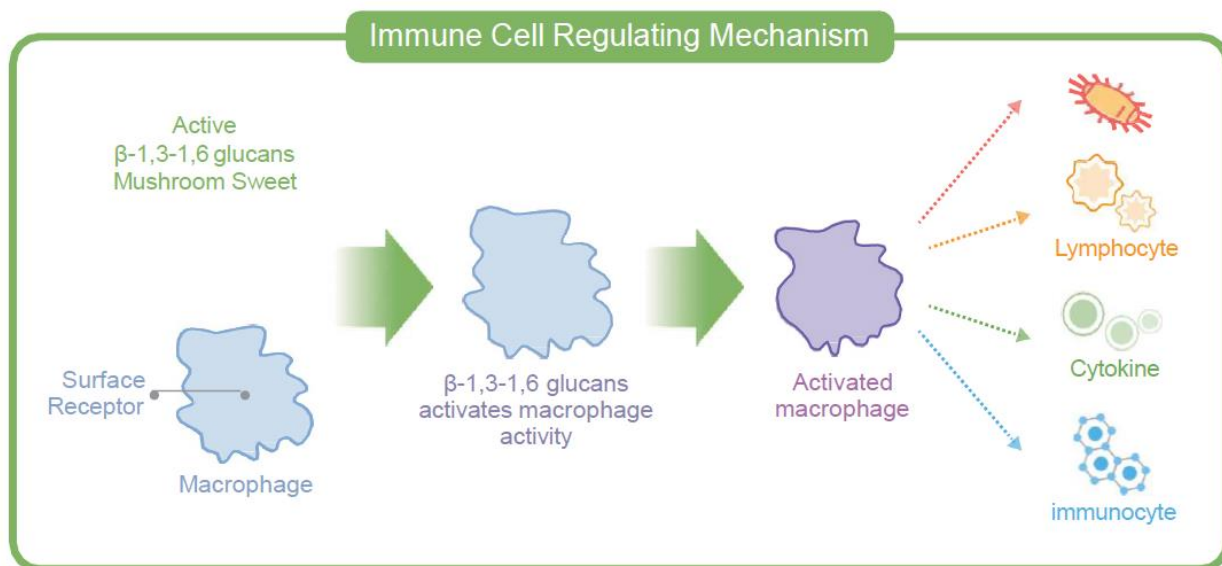
β -1,3;1,6 Linkage

The Birth of Active β -1,3-1,6 Glucans Mushroom Sweet

HOLMES BEST Biotechnology utilizes innovative cultivation technology to extract high purity, high concentration and high quality mushroom β -1,3-1,6 glucans. Specific active elements from various fungi are irreplaceable by other species. In addition, mushroom β -1,3-1,6 glucans can interact with the cells in the living organisms to regulate their activities.



Mushroom β -1,3-1,6 glucans and an organism's active regulators (e.g. immune regulatory proteins) integrate to form functional complex with activity known as macrophage stimulating activity (Mushroom Sweet), which is proven to impart immune cell regulating function.



The results of long-term clinical trials of active β -1,3-1,6 glucans Mushroom Sweet show no side effects, indicating Mushroom Sweet is a very natural and safe element. Furthermore, it is neither artificial nor chemically synthesized, non-GMO, non-additive and without any health burden.

Please contact us for more details.





Allando Natural Holistic Cat Food

Allando promises the use of only natural ingredients.

The best way to support your cat's overall health is to provide premium quality natural food with balanced nutrition, to keep them healthy and active at all times.

Special recipe

Canadian ice lake wild rice are the seeds of ice lake weeds, growing up in the area without pesticides pollution and fertilization. The ancient Indian believes that it is the best natural remedy. Allando cat food extracts the wild rice that contains a wide variety of vitamins, minerals and plant fibers, which effectively enhances the cat's immune system and cardiovascular system. With the high level of natural plant fiber, it aids the intestinal absorption, at the same time promoting the discharge of ingested hair balls.

BETROOT

is an excellent source of folic acid (vitamin B9), a water-soluble vitamin stored in animal's liver, as required in the development of nervous system.

CRANBERRY

contains anthocyanin that prevents urinary tract infection and promotes healthy urinary system.

CARROT

a good source of vitamin A, playing a vital role in maintaining healthy vision as well as growth of skin and hair.

APPLE

rich in fiber, pectin, antioxidants, etc. It aids in lowering the bad cholesterol (low-density lipoprotein, LDL) that increases the risk for heart disease).

SPINACH

contains carotene to strengthen digestive system and improves immunity.

SPIRULINA

rich in fatty acids, promotes healthy skin by strengthening the skin defensive barrier structure.

BROCCOLI

contains high level of ascorbic acid, which advances liver detoxification capacity and enhances immune system.

PUMPKIN

consists of vitamin A, aids in preserving the visual health as well as maintaining strong skeletal and muscular system.

CHICKPEA

is also known as longevity beans, aids in preventing cardiovascular diseases.

Reasonable formulation of a balanced diet

By providing premium quality protein source fresh from the naturals, we ensure a balanced healthy state of your cat physically and physiologically.

NEW ZEALAND FREE RANGE LAMB



Hypoallergenic protein source, important in developing muscle growth.

Natural source of taurine, required for cat's healthy heart, vision and reproductive function.

Low-fat and high protein provides essential amino acid to enhance immunity.

FREE RANGE TURKEY



FREE RANGE CHICKEN



TAIWAN DUCK

Duck is low-fat and has a wealth of vitamins.

Fresh from the OCEAN

WILD HERRING **WILD SALMON** **WILD PACIFIC BONITO**

ALASKA POLLOCK **WILD HALIBUT** **WILD PERCH**

- Vital source of vitamin D from fish, as it is almost unavailable in meat and vegetables. It plays essential role in regulation of calcium and phosphorus, which is related to maintaining strong bone and immunity.
- Premium source of fatty acid, supporting healthy skin and hair coat for cats.
- Great source of amino acids, the building blocks of protein synthesis and strengthen the cat's muscular system.

Fresh from the WILD





Pamper your cat with a health diet, just lika a loyal cat.



Hypoallergenic Formula

- ☐ **No corn, wheat and soybean.**
All ingredients are of high quality and selected without the addition of corn, wheat or soy, that might cause allergies.

Free of Animal By-Products

- ☐ **Use of high quality protein.**
Only high-quality protein source of human consumption grade are used.

Free of Growth Hormones

- ☐ **No growth hormones needed.**
The natural ingredients content is sufficient in promoting pet's growth.

Free of Antibiotics

- ☐ **No antibiotic needed.**
We believe natural food enhances immunity naturally.

Free of Chemical Preservatives

- ☐ **Only natural antioxidants are used.**
Natural antioxidants are extracted from fresh raw materials and thus, no chemical preservative is added.

Quality Certification

Test Items	Report No.	Results
Aflatoxin	BA/2020/71121	PASSED
Salmonella	BA/2020/71117	PASSED
E. coli	BA/2020/71113	PASSED
Clostridium perfringens	BA/2020/71114	PASSED
DDT	BA/2020/71123	PASSED
Listeria monocytogenes	BA/2020/71120	PASSED
Propylene glycol	BA/2020/71118	PASSED

Best Water for Cats To Drink

The most important thing about the cat's health is diet. In addition to choosing food carefully, you should also pay attention to water supplement. What is the best water to drink for cats?





Respease: 全方位恢复呼吸功能的解决方案

“呼吸道疾病似乎是一个随着现代动物生产而演化的疾病。”

随着现代动物生产的发展，这行业利用技术和科学的进步，并采用了新的管理系统，成功的根除和控制许多疾病。然而，即使取得这些进步，食用肉和食用蛋的生产者及兽医们仍然继续受到疾病和不良生长表现的挑战。呼吸道疾病似乎是一种随着现代动物生产而演化的疾病，现今，呼吸系统疾病所带来生产成本的增加已成为了生产者和从业人员主要烦恼的根源。

呼吸道传染疾病被认为是家禽主要的健康问题，使劣质屠体数增加外，也降低了整体鸡群的生长性能 (Portz C. 2008)。如果禽类的进化适应使呼吸道效率优于哺乳动物，那么这些特殊性也会使疾病更容易发生 (Inoe et al. 2009)。气囊的作用使它们在每次呼吸时更容易受到感染，特别是曝露在禽舍以外的环境。例如，使连通禽类鼻窦狭隘导管排泄分泌物变得困难。还有，气囊没有如呼吸到组织特征的粘膜纤毛体。因此，这些结构使得它们更倾向和容易受到感染 (Abreu JT. 2014)。

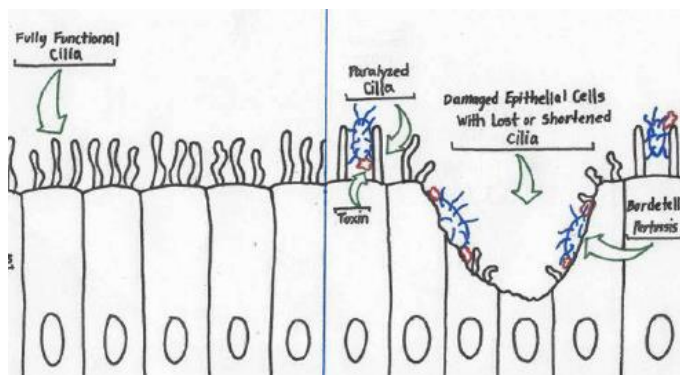


图 1: 纤毛功能失调

下列是影响禽类发挥最佳呼吸系统性能的因素:

- 1. 非致病因素（氨气和粉尘）。**过度干燥的垫料，过度拥挤，饲料粉尘，不良通风等都会对鸡的健康产生不利影响，引起刺激性呼吸紧迫。这是由于组织胺的释放而引起过敏反应，并导致炎症反应循环，使得免疫系统受到抑制。
- 2. 纤毛和杯状细胞功能异常。**在纤毛的再生期间（约7-14天）受感染的风险更高。
- 3. 致病状况。**细菌和病毒，如低致病性禽流感（LPAI），慢性呼吸道疾病（CRD），新城鸡瘟（ND），传染性鼻炎，传染性支气管炎（IB），传染性喉气管炎（ILT），禽霍乱等。



全球现代肉猪生产中猪的呼吸道疾病是极为普遍，一般被统称为猪呼吸道疾病综合症（PRDC）。PRDC本质上是多微生物感染，是由主要和次要呼吸道病原体（病毒和细菌）的各种组合感染所导致。以一个多因素疾病而言，环境条件，群体大小，管理策略及猪只特定因素（例如：年龄和遗传因子）对PRDC的发生结果有着至关重要的联系。当凑上组合时，这些因素会充分损害猪的呼吸道防御机制，从而导致严重的呼吸道疾病。这情况常见于当把样本放置在完善的设备后8 -10周内 (Honold Cary, 2009)。

与PRDC相关的病毒病原体中常见的有猪生殖和呼吸综合症（PRRS），猪流感（SIV），假狂犬病毒（PRV）和猪呼吸道冠状病毒（PRCV）。PRDC的细菌病原体被分类为主要和次要病原体



图 2:猪生殖和呼吸综合症症状

对兽医和生产者而言，家禽和猪的呼吸道问题都是一个艰巨的挑战，尤其在家禽最大的挑战不是死亡率而是高发病率，而治疗费用，不良生长，重复发生呼吸系统问题，免疫力下降往往才是生产者经济亏损的主要原因。

在动物和禽类中预防性使用抗生素以及对抗生素耐药性的日益关注，呼吸道疾病是全世界关注的问题。虽然如此，在用抗生素治疗后，呼吸道疾病的复发仍然很常见。

有鉴于抗生素在动物呼吸道问题的应用及抗药性日渐被全球关注之外，加上使用抗生素做治疗后，呼吸道疾病还是会复发。因此，研究替代抗生素是迫切在即。这将会是一个以全方位的解决方案，可以提供安全，有效无残留的低复发治疗，并且还可以通过增强动物呼吸道的免疫力来应对不利境况。

印度班伽罗尔，Natural Remedies公司研发机构属下的研发人员已投入努力寻找这个全方位的解决方案，在参阅非常古知识的阿育吠陀，开发了多草本方案“Respease”。

Respease是由多种已知并有详细记载减轻呼吸窘迫状的药理属性之草药的植物分子调配而成的方案。其中草药如甘草，鸭嘴花，茄果黄，姜黄，圣罗勒等。

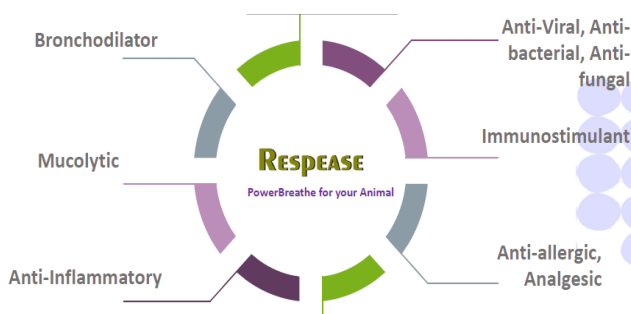


图 3： Respease 的功效

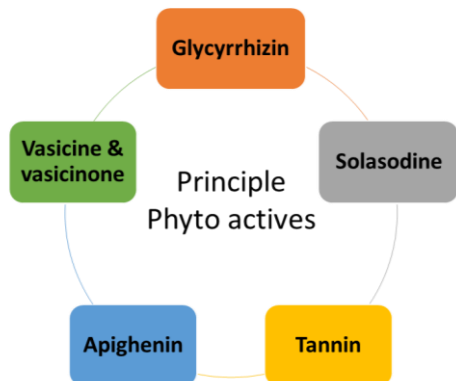


图 4: Respease 的主要植物活性成分。

甘草甜素被美国 FDA 公认安全 (GRAS) 可用于食品。该分子的祛痰和抗炎活性已被英国草药药典 - 1990 确立。甘草甜素显著减弱杯状细胞并表现类似糖皮质激素的抗炎作用。(它抑制肺上皮细胞中 IL-8 的产生和 NF-KB 依赖性转录) (Yokomizo K 和 Isohama Y, 2008)。镇咳作用也还归功于甘草甜素, 它会加快气管粘液的分泌 (WHO 1999)。另外由观察使用 10mg 甘草甜素/公斤处理感染 A2 (H2N2) 流感病毒的小鼠全存活的记录 (Utsunomiya et al. 1997) 而注意到它亦有刺激免疫的作用。



图5: 甘草甜素的作用。

甘草甜素还可以刺激由 T 细胞产生 B 干扰素。另外, 在体外实验中也观察到它具有对严重急性呼吸系统综合症 (SARS) 冠状病毒、HIV 病毒和日本脑炎病毒等的抗病毒活性。(Utsunomiya et al. 1997 年; Cinati 等人, 2003 年)

体外实验中, 甘草甜素有效对抗局部分离出的霉菌菌体, 李斯特菌, 大肠杆菌。(The Journal of Anima & Plant Sciences, 25(1)2015)。

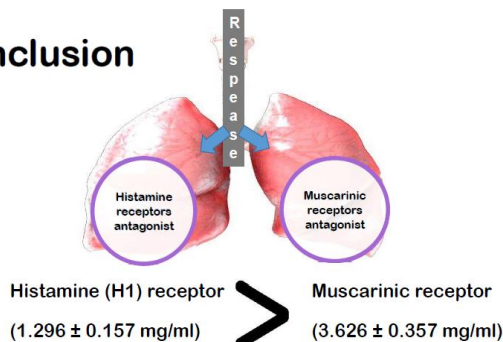
鸭嘴花碱和鸭嘴花酮源自鸭嘴花, 它们很显著具有支气管扩张的作用。溴己辛 (化痰药物) 是研发自鸭嘴花碱。含有鸭嘴花成分组合的产品在欧盟标记已超过15年之久, 它们通过防止组织胺引起的支气管痉挛, 抗咳嗽, 祛痰和抗痉挛作用来刺激呼吸系统。

芹菜素具有抗过敏作用 (Hirano 等, 2004), 而索拉索丁具有退热作用 (Kanika 等, 2013)。

单宁也已知有支气管扩张, 解痉作用, 清除氧化物的活性及对细菌和病毒的抗菌作用。

大部分Respease对呼吸道的辅助作用也通过多项体外和体内实验证明了。

Conclusion





商用养殖场试验: 评估Respease在商用肉鸡中管理慢性呼吸道疾病（CRD）的功效

参数	详情
鸡只数量	4 千只商用肉鸡（2 千只为控制组及 2 千只为 Respease 治疗组）
畜舍类型	通风良好的开放式畜舍及自动饮水和喂饲
管理模式	2组都有相同的畜舍和管理
治疗	试验为期45天。当观察到在26日龄出现呼吸窘迫症状时，同时以10 ml/L剂量的Respease和口服抗生素投水，持续10天

结果:

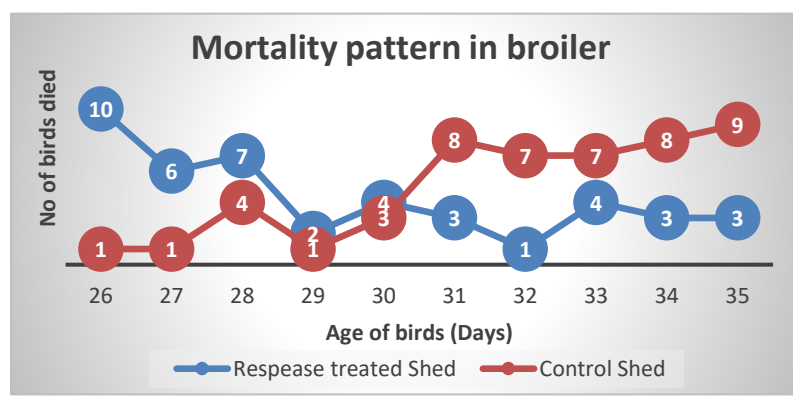


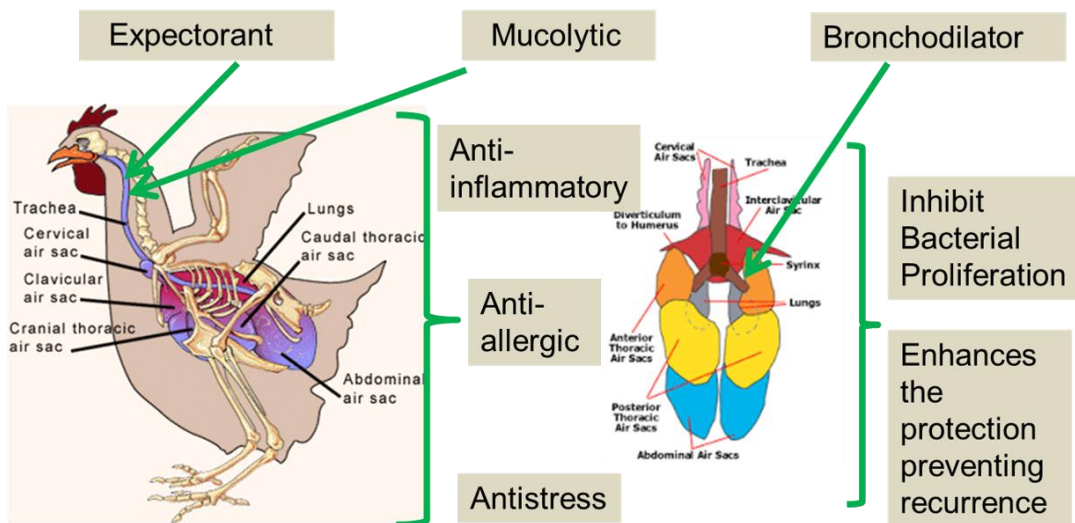
表 1: 2畜舍肉鸡的死亡型态

观察:

1. 呼吸窘迫期间持续投给 Respease 可减轻诸如喘气，呼吸啰音，咳嗽，打喷嚏，眼睛肿胀和鸡群抑郁。
2. 在 Respease 处理后的两天内，死亡率显著的下降，在第 10 天结束时，鸡群完全康复。
3. 在经过 Respease 治疗过的剖检中发现气管中还含有少量的粘液/分泌物的堆积和上呼吸道粘膜炎。

因此，Respease 被证实是个全方位的解决方案，它为处理家禽和动物的呼吸道疾病提供了一个整体的方法。





Growth promoting activity ensure affected bird and animal returns to normal feeding at faster rate protecting production loss

促生长作用可确保受影响的鸡群和动物可以更快恢复食欲降低生产损失
表 2: 描述 Respeace 的整体方法, 在呼吸窘迫情况下提供全方位的保护。

Respeace 是一种安全有效的多草要配方, 并制有粉剂和水剂2形式。

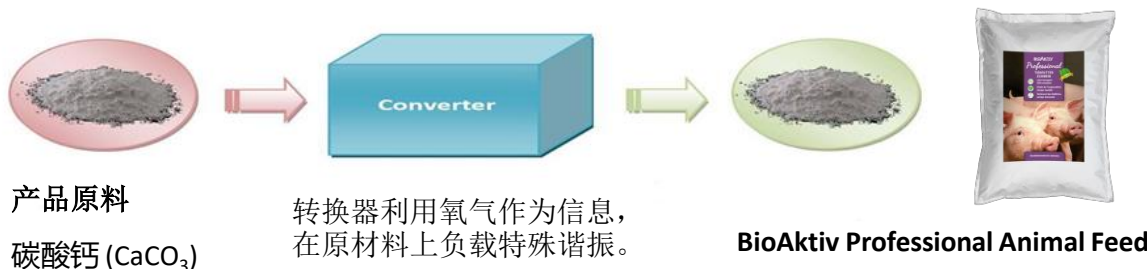
- 可作为任何引起呼吸道疾病的辅助疗法, 并防止呼吸窘迫造成的生产损失。
- 可更快的缓解呼吸困难症状并恢复正常呼吸功能。
- 用于增强呼吸道免疫力并优化生产性能。
- 降低呼吸窘迫症的复发率。

请联系我们以寻求更详细的参考来源。

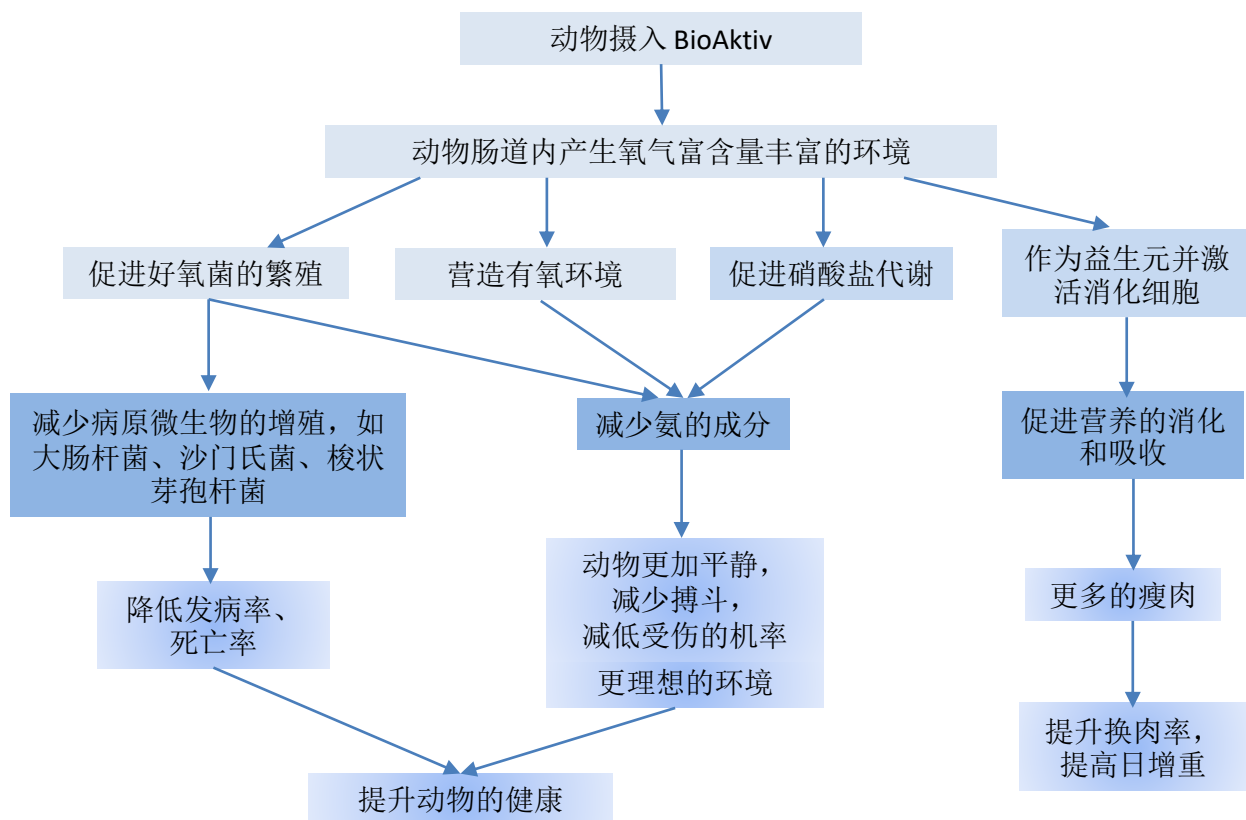


BIOAKTIV 专业的猪和家禽动物饲料

BioAktiv 被归类为益生元的一种。它能促进和维持生命能量的平衡并提升动物的健康。这款产品是使用生物共振的科技工艺制造而成。该技术利用氧气使产品产生自然振荡并启发共振。



当 BioAktiv 产品被动物摄入时，产品中拥有的氧气共振频率信息能导致四周的氧气原子发生自然频率振动。它创造出一个含氧量丰富的环境。因此，这也能够增强动物消化系统中的活细胞功能。



请与我们联系了解更多详情。



使用特配活性 β -1,3-1,6 葡聚糖，名为呷立旺，提升猪只生产效率

人类发现菇蕈类可被食用且具有疗效已有两千年以上的历史，其中种类繁多，历史更悠久，已有 1500 000 多篇相关研究报告指出，菇蕈类内含有多种不同的天然代谢产物，其中 700 多种已知具有药理学上的特性。

菇蕈类所含之生物活性物质成分种类丰富，且具有许多的药理功效，其中以菇蕈特有的多醣体研究最多，特别是高分子的多醣体表现最为突出，效果亦最为显着，它被认为具有调整免疫能力，抗发炎与抗氧化等活性。

菇蕈多醣体能够调节宿主（动物）体内生理状况，为生物反应修饰物质（BRM）的一种，它能帮助生物体适应外在多样化环境及内在生物性压力，维持生物体内各系统与激素间的平衡。

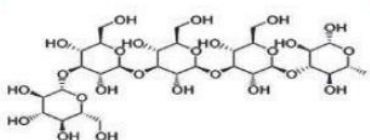


什麼是高分子菇蕈多醣體？

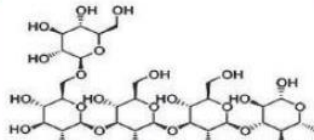
菇蕈多醣體最主要是由葡萄糖所聚合構成的**葡聚醣 (Glucan)**，可由許多不同構型的葡聚醣以不同的方式鍵結組成。

其中以 **β -葡聚醣 (β -glucan)** 之(1 $\rightarrow$ 3)-(1 $\rightarrow$ 6)構型所聚合而成的高分子量多醣體，能表現出較高的生物藥理活性，且分子量越大其生物活性越強。

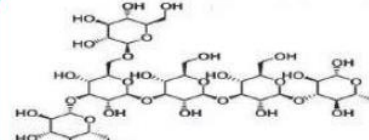
結構圖



主鏈 β -1,3 鏈結



側鏈 β -1,6 鏈結



β -1,3;1,6 鏈結

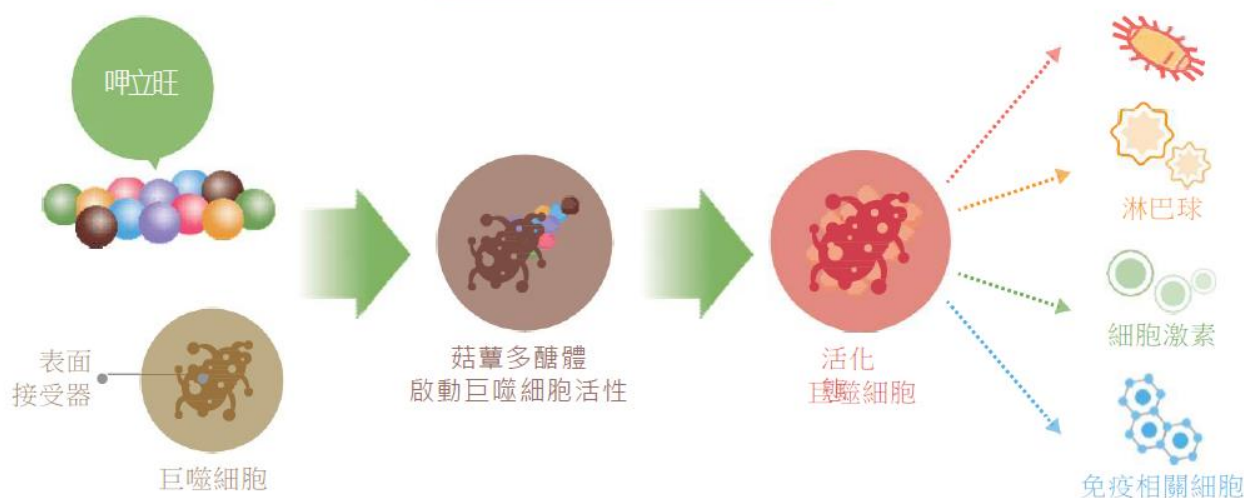
呷立旺的誕生

禾宇特生技利用創新仿生培育技術，萃取純化出高純度、濃度且優質的菇蕈多醣體，不同菇蕈類所產生的特殊活性物質是其他物種所無法取代的，且菇蕈多醣體可與生物體內細胞作用，進而進行細胞間的活化調節。



菇蕈多醣體與生物活性調節蛋白（如免疫調節蛋白）形成複合物共同作用，我們稱之為活性多醣體呷立旺，這兩種物質之結合複合物已被證實擁有非常良好的生物免疫細胞調節作用。

免疫細胞調節機制圖



呷立旺經過長期臨床實驗，從未發現其有任何不良副作用的產生，表示它是非常天然且安全的物質成份。它無法以人工或化學方式合成，也不含任何基因改造成分，無額外添加任何其他物質，故完全不會造成身體的負擔。

請與我們聯繫了解更多詳情。



Allando 奧蘭多天然无谷猫粮

健康飲食的美味關鍵：「鮮」

要貓咪健康活潑、營養均衡，最好的方法就是從天然食物中吸收各種不同的營養。新鮮蔬果含豐富天然維生素、礦物質及胺基酸也是最佳的天然抗氧化食材。

甜菜

甜菜含有豐富的維生素B，對於神經系統、皮膚、毛髮、眼睛、肝臟、肌肉的健康都有重大影響。

蔓越莓

蔓越莓成分中含有青花素，是保健泌尿道的天然食品。

紅蘿蔔

良好的維生素A來源，幫助貓咪眼睛的保養及維持視力健康。

蘋果

蘋果的纖維、果膠、抗氧化物等，能降低體內壞膽固醇並提高好膽固醇含量，保健貓咪的心臟。

菠菜

具有大量的胡蘿蔔素，可以強化消化系統，增加抵抗力。

Special recipe

冰湖野米是一種冰湖野草的種子，野生於無農藥汙染、不施肥、乾淨清澈的冰湖泊中，被古印度人譽為最好的天然藥物。奧藍多貓鮮種萃取野米中所含的多種維生素、礦物質及天然植物纖維，能幫助貓咪增強免疫系統，並含豐富天然植物纖維協助腸道吸收、毛球排出順利。

藍藻

藍藻中的脂肪酸含量豐富，維護皮膚組織健康亮麗、毛髮有光澤。

西蘭花

西蘭花含有豐富的抗壞血酸，能提高貓咪的免疫力。

南瓜

維他命A的良好來源，有助於保持視力、骨骼、肌肉的健康。

鷹嘴豆

鷹嘴豆有長壽豆之稱，有多種營養素，可保健心血管。

奧藍多提供優質的蛋白質來源

貓咪的身體機能會運用食物中的蛋白質及脂肪來製造能源。若缺乏蛋白質會造成貓咪健康變差、免疫力及各項身體機能降低。

放養羊隻

■ 羊肉肉質細膩容易吸收消化，同時也是低過敏蛋白質來源。

■ 火雞擁有高蛋白、低脂肪、低膽固醇的優點，其中硒是天然的抗氧化劑可增進自體免疫力。

自由放養火雞

■ 鴨肉脂肪的化學結構近似橄欖油，對心血管有好處。

台灣新鮮鴨肉

自由放養雞隻

■ 雞肉低脂肪高蛋白質，容易消化吸收，能提供必需胺基酸增強免疫力。

鮭魚

鱈魚

鯉魚

■ 脂肪酸的優質來源，可加強貓咪皮膚和毛髮的健康。

■ 魚肉是維生素D的重要來源，它在鈣和磷的調節中有重要的作用，與保持骨骼強壯和免疫力有關。

鱈魚

大比目魚

鱈魚

■ 氨基酸的重要來源，蛋白質合成的基礎，並增強貓咪的肌肉系統。

Fresh from the WILD

Fresh from the OCEAN



让您的猫咪备受呵护，如同居住在城堡里的猫。



低敏配方

不含 玉米、小麥、黃豆

○ 遠離過敏源 挑選優質的成分，不添加玉米、小麥、黃豆成分。

不含動物副產品

○ 使用優質蛋白
人類食用等級高優質蛋白來源，不添加動物副產品。

不含生長賀爾蒙

○ 自然成長 天然為第一訴求，不添加生長賀爾蒙。

不含抗生素

○ 健康生長 天然好健康免疫力提升，不添加抗生素。

不含化學保存劑

○ 奧藍多提倡天然 使用天然抗氧化，不添加化學保存劑。

品質認證 SGS

檢驗項目	檢驗編號	檢驗結果
黃麴毒素 Aflatoxin	BA/2020/71121	PASSED
沙門氏桿菌 Salmonella	BA/2020/71117	PASSED
大腸桿菌 E. coli	BA/2020/71113	PASSED
產氣莢膜梭菌 Clostridium perfringens	BA/2020/71114	PASSED
農藥 DDT	BA/2020/71123	PASSED
李斯特菌 Listeria monocytogenes	BA/2020/71120	PASSED
丙二醇 Propylene glycol	BA/2020/71118	PASSED

貓咪多喝水，也要喝「對」水

影響貓咪健康最重要的就是飲食。除了選對食物外，還要注意水量的攝取並為他們選擇合適的飲用水。

哪種水最適合貓咪呢？



自來水



礦泉水



純淨水



煮沸水冷卻後
容器存放