

Soluble Yeast cell wall

Water soluble β -Glucan and Mannan



Mannan \geq 40%

Water solubility \geq 90%

Suitable for nipple watering system



Yeast For Animal Nutrition

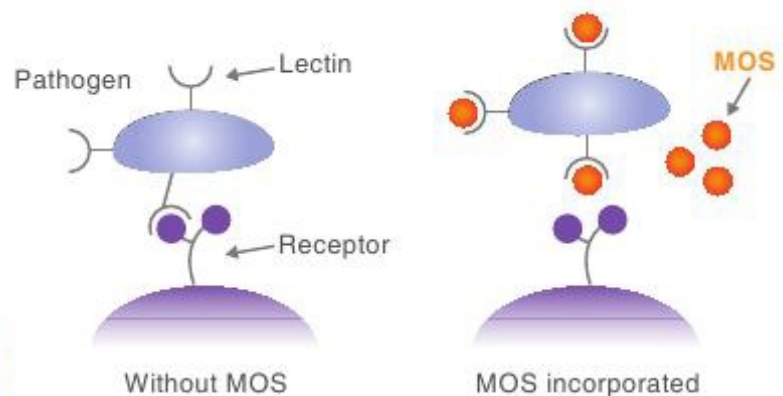
Description

Fubon Soluble Yeast Cell Wall is produced by thoroughly enzymatic hydrolyzation and extraction. The water solubility is above 90%, and thus it can be adopted by nipple watering system.

Efficacy

- Improve immunity, increase body health
- Decrease bacterial diarrhea
- Prevent and help to cure disease
- Reduce antibiotic abuse

Mode of action

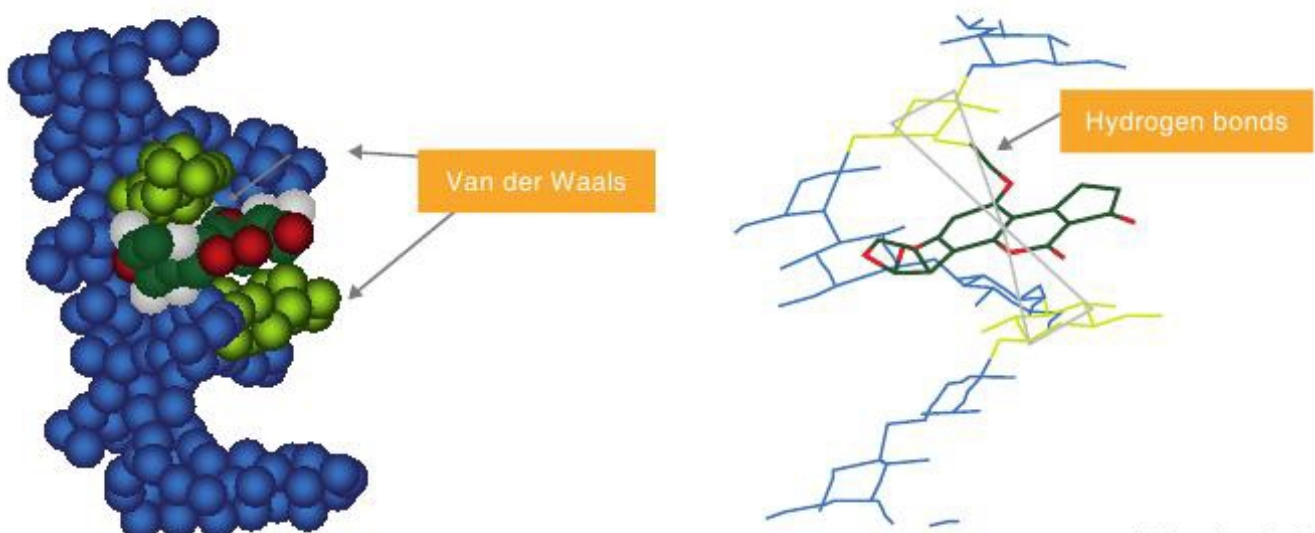


A. Block and excrete pathogens

The mannan of yeast cell wall has similar structure with binding site of pathogens on the intestinal wall. Thus it can competitively bind the pathogens and interfere with the binding between pathogens and intestinal wall. Furthermore, as the mannan cannot be digested by pathogens and intestinal enzymes, the tightly bound pathogen-mannan complex can be discharged from the body.

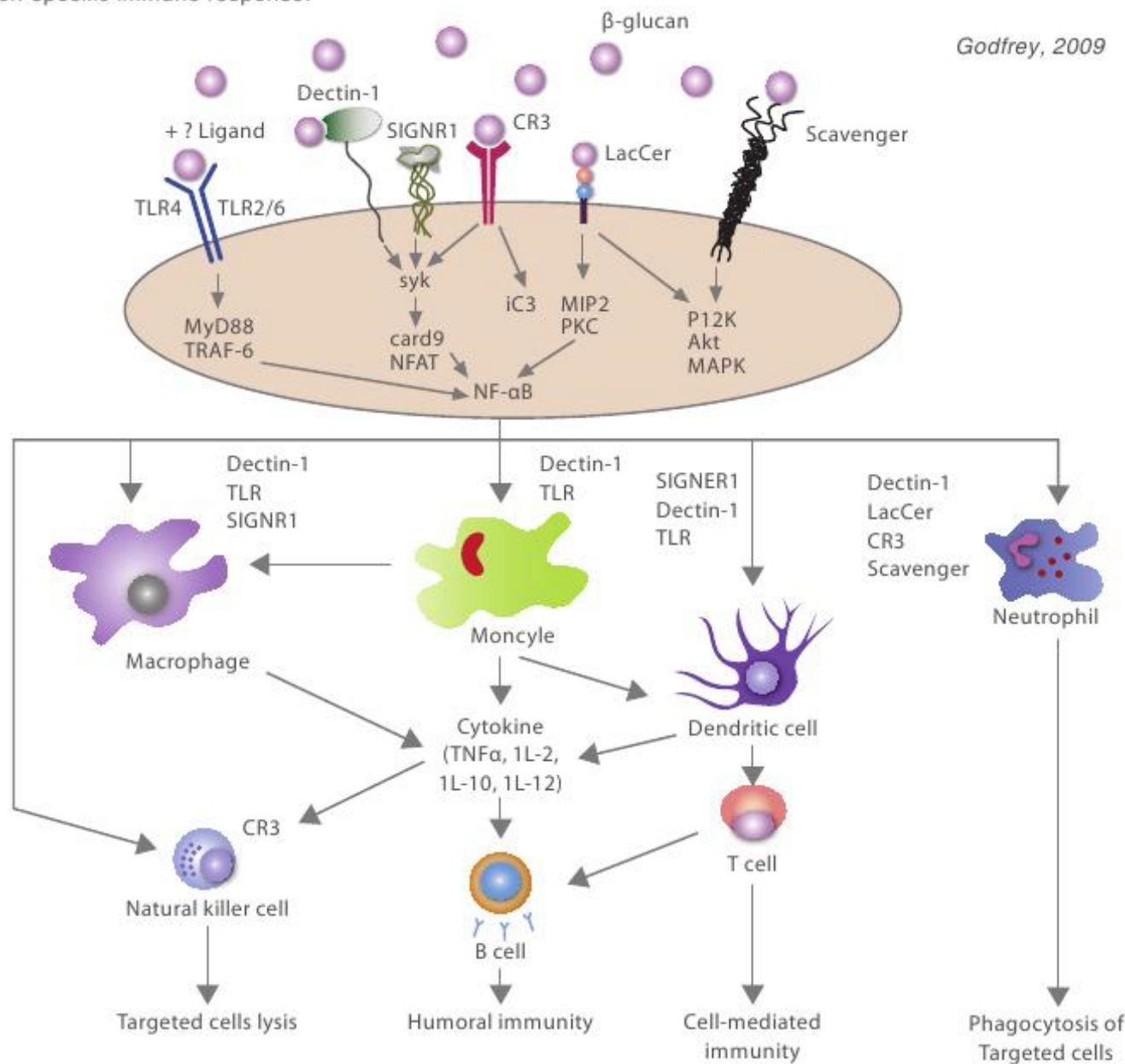
B. Bind mycotoxins

The special space structure of yeast cell wall provides lots of binding sites for different toxins, and the intermolecular forces like hydrogen bonds and Van der Waals forces can help to reinforce the binding and form polysaccharides-toxin complex, which prevents the mycotoxin being absorbed.



C. Stimulate immune system

β -glucan can bind to the surface receptor of immune cells, exciting the immune relate signal transmission channel, stimulate immune cells to release downstream signal molecule, and induce the specific and non-specific immune response.



Guaranteed analysis

Water solubility $\geq 90\%$; Mannan $\geq 40\%$; β -glucan $\geq 15\%$

Application trails

Supplementation of Soluble Yeast Cell Wall via watering system can decrease the bacterial count in caecum.

Table 1 Diet components and Soluble Yeast Cell Wall feeding period

Groups	1-5 th days after birth	21-28 th and 34-42 th days after birth
Control	Basel diet	Basel diet
Test group	Basel diet+250g/t Soluble Yeast Cell Wall	Basel diet+100g/t Soluble Yeast Cell Wall

Table 2. Cecum bacterial count after 42 days experiment. Mean±SMD

Groups	IgCFU/g dry matter
Control	7.998 ± 0.29 ^a
Experimental group	7.360 ± 0.32 ^b

Note: Broiler herds: 90000 one-day old white further broilers.

The data shoulder with different lowercase letters indicate significant difference (p<0.05).

Supplementation of Soluble Yeast Cell Wall can increase the antibody titer levels

Table 3. NDV antibody titer level of broiler at day 14, 21 and 35 of the experiment. (Log2)

Groups	14 th old	21 th old	35 th old
Control group	4.08±1.16	5.17±1.53 ^A	3.27±1.02
200g/t Soluble Yeast Cell Wall	3.83±0.83	5.50±1.00 ^B	3.73±1.42

Note: Broiler herds: 1600 one-day old white feather broilers.

The data shoulder with different capital letters indicate extremely significant difference (p<0.01).

Dosage

Animal	Piglet	Sow	Poultry	Aquaculture
Dosage (g/t complete feed)	300	200	200	250

The Soluble Yeast Cell Wall can be used through watering system. The dosage in water should be calculated according to the amount of feed and water intake, and should be dissolved in advance by hot water and agitation.

Package 25kg/bag with polyethylene liner.

Storage The shelf life is 24 months, please keep in a cool and dry place.

Attentions Please use up once it been opened or bind tightly after using.



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