

Probac

Blend of probiotics

Reinventing Gut Health Integrity



Birds are exposed to numerous pathogens including *Clostridium*, *Salmonella* and *E.coli*. This exposure impacts the microbiota of GI tract resulting in intestinal inflammation & disease.

Finding a right solution to help birds in overcoming the challenges of gut is critical.

A selective blend of probiotics with different strains ensure a healthy gut right from day one, thereby develops immune system and can be applied throughout a bird's life.

Composition:

Bacillus subtilis



Bacillus licheniformis



Bacillus coagulans



Clostridium butyricum



- **Proprietary Strains:** Well characterized & documented
- **Microencapsulated:** Thermostability / Survivability during pelleting process.
- **Rational Combination:** DFMs of aerobic, anaerobic & facultative strains- highly effective in fore gut, mid gut & hind gut management.
- **Innovative *Clostridium butyricum*:** Can produces specific metabolite like butyric acid etc. by anaerobic strains which are most effective in hind gut management where the pathogenic challenges are very high.

Benefits

- Improves establishment of beneficial gut microflora
- Reduces the load of *C. perfringens*, *E. coli*, *Salmonella* and *Campylobacter*
- Reduces incidence of wet litter
- Improves weight gain, FCR and decreases mortality

TEST	SPECIFICATION		RESULT*	
Description	A grayish white powder with characteristic odour		A grayish white powder with characteristic odour	
Loss on Drying	Not more than 8% w/w		< 7% w/w	
Assay (Bacterial Count)	> 3,200 (MSG) ME	Temp (Deg C)	Time (min)	Potency (MSG) ME
		25	RT	3425
		92	5	3310
		92	10	3245

ME=Microencapsulated

Usage Recommendation:

Should be mixed uniformly throughout feed

Poultry/Swine:

With AGP: 100-125 gm per ton of feed

Without AGP: 200- 250 gm per ton of feed

250 gm/ ton of feed delivering : 800 billion CFU (Colony Forming Unit) / ton of feed

Or as per recommendation of nutritionist or consultant

Pack: 25 Kg Drum

