

PoultryStar® sol

Naturally ahead in poultry gut health!

PoultryStar® sol is a well-defined, multi-species synbiotic product that promotes a beneficial gut microflora through the combined action of carefully selected probiotic microorganism and prebiotic fructooligosaccharide.

PoultryStar® sol is designed to improve gut health of poultry and to make day old chicks and birds of all ages more resistant to pathogens leading to improved performance parameters.

Mode of action

- The **probiotic strains** patented by BIOMIN were thoroughly investigated and selected due to their superior probiotic features and synergistic effects. They demonstrated the best efficacy in the inhibition of pathogenic microorganisms. The probiotic strains were isolated out of the gut of healthy birds to increase the probiotic-host compatibility.
- **Prebiotic fructooligosaccharides (FOS)** serve as a nutritional source specific for beneficial bacteria such as Bifidobacteria and Lactobacilli.

Main benefits

- Fast establishment of a beneficial gut microflora
- Inhibition of enteric pathogens
- Improved weight gain
- Improved feed conversion
- Decreased mortality
- Re-establishment of balanced gut microflora post antibiotic application
- No negative side effects, no withdrawal times



Application

PoultryStar® sol is applied via drinking water. Choose between continuous and intermittent applications depending on your production system.

Continuous application: recommended as a preventive measure to improve the microbial balance of the intestine. It is more labor intensive since it requires daily preparation of stock solution. However, it rewards the effort by giving the best distribution of intestinal bacteria over the production cycle.

Intermittent application: it is flexible and recommended to pinpoint stress periods. It is simple and effective. However, it requires a well defined schedule of application. Modification of the schedule may be needed as new stressors affect the flock.

- **Use in newly hatched poultry:** first 3 days of life. If antibiotics are used during bird placement use PoultryStar® sol for 3 consecutive days starting 24 h after antibiotic treatment
- **Post antibiotic therapeutic treatments:** for 3 consecutive days starting 24 h after the last day of antibiotic treatment
- **During wet dropping events:** for 3 consecutive days after first signs are detected
- **Around feed changes:** for 3 consecutive days starting 1 day previous feed change
- **During stressful periods:** daily

Dosage

Continuous application: 2 g/1,000 birds/day

Intermittent application: 20 g/1,000 birds/day

Prepare a stock solution for administration via water tank mixing or via medicator.

Preparation of stock solution:

- Refer to calculation table to determine the amount of PoultryStar® sol needed.
- The measuring cup holds the amount of PoultryStar® sol needed for 5,000 birds per day. Use the small cup for continuous application and large cup for intermittent application.
- Prepare fresh stock solution every day.
- Thoroughly mix the amount of PoultryStar® sol needed per application day slowly and under constant stirring with the needed amount of clean lukewarm water.
- Add the stock solution to the daily drinking water demand.

Calculation table for stock solution

No. of birds	Needed amount of PoultryStar® sol per application day		Needed amount of water for preparation of stock solution per application day		
	continuous	intermittent	during week 1	during week 2	from week 3
	# of small cups ¹	# of large cups ²	Liter	Liter	Liter
1,000	1/5 (2 g)	1/5 (20 g)	0.2	0.5	1
5,000	1 (10 g)	1 (100 g)	1	2	5
10,000	2 (20 g)	2 (200 g)	1.5	4	10
15,000	3 (30 g)	3 (300 g)	2.5	6	10
20,000	4 (40 g)	4 (400 g)	3	8	10
25,000	5 (50 g)	5 (500 g)	4	10	10

¹Small cup (cubage 15 ml) holds 10 g PoultryStar® sol
²Large cup (cubage 150 ml) holds 100 g PoultryStar® sol

Note: Make sure to thoroughly mix the product with water

Withdrawal time None

Packing 100 g, 300 g, 500 g and 600 g aluminium sachets

Stability and Storage

PoultryStar® sol must be stored in a cool and dry place, in original packing. The minimum shelf life is 12 months from production date if stored according to the recommendations of the producer in unopened bags.



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