



Kanters

SPECIAL PRODUCTS

Healthy Animals, Healthy Farm

INTESTI-FLORA[®]

The assurance of good intestinal health

- Stimulates gastrointestinal health, also during Coccidiosis challenges
- Significant reduction in use of antibiotics
- Improves feed conversion ratio





- Stimulates gastrointestinal health, also during Coccidiosis challenges
- Significant reduction in use of antibiotics
- Improves condition of villi of the small intestine
- Stimulates immunity and resistance
- Less bacterial problems
- Dry litter
- Quick visible results
- Improves feed conversion ratio

What is Intesti-Flora®?

In challenging periods when digestive problems are likely to occur, Intesti-Flora® supports the birds. Intesti-Flora® improves intestinal health by suppressing the growth of pathogenic micro-organisms like E. coli, Salmonella and Clostridium. The combination of ingredients from Intesti-Flora® stabilises the intestinal health. Consequently, Intesti-Flora® has a positive effect on growth, feed conversion ratio and the overall health of birds.

When to use?

- | | | |
|---|------------------------|--------------------------|
| – First week | – After vaccination | – After using medication |
| – Before and after feed change | – Disturbed digestion | – Last week |
| – Heat stress (also ask for Aeroforte!) | – Disturbed gut health | |

Mode of action

Intesti-Flora® is based on oligosaccharides, copper chelate and organic acids (lactic acid, propionic acid and sorbic acid). In the first days of a chicks' life, the base for its further development is set. It takes two weeks before the intestines of a day old chick contain a favourable intestinal flora. During these first days of life there is competition between micro-organisms in colonization of the intestine of the chick. Often, the immune system of the chick is not yet strong enough to resist the pressure of harmful micro-organisms like E. coli. In this situation, intestinal disorders are likely and chicks will become ill. A good start includes a healthy growth and development of the intestinal flora, enabling the chicks to overcome stress situations like feed changes, vaccinations, and thinning. Oligosaccharides have a pre-biotic effect and stimulate the growth of bifido bacteria. The organic acids improve the digestion of proteins, kill bacteria, lower the pH and inhibit the growth of bacteria, moulds and yeasts. Copper is of importance for different processes of metabolism (for example the production of red blood cells) and is bactericidal. Intesti-Flora® supports the animals with digestion and gives pathogenic bacteria no chance to develop in both the drinking water and the intestine.

Figure 1: Digestive tract of Poultry.

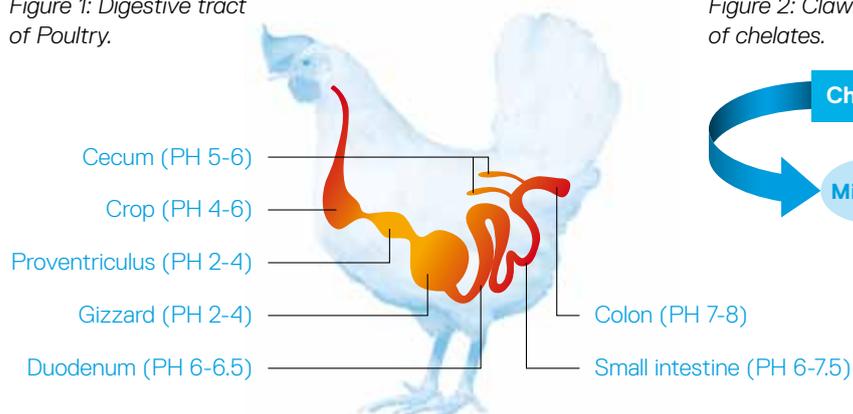
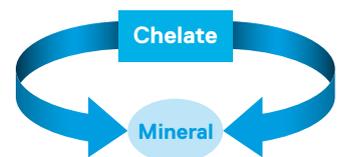


Figure 2: Claw mechanism of chelates.



Technical results

Research was conducted to investigate whether Intesti-Flora® could protect broilers infected with coccidiosis. Coccidiosis causes serious damage to the intestine and occurs in different types. Three of the most important and obstinate types of coccidiosis are *E. acervulina*, *E. maxima* and *E. tenella*. The pictures in Figure 3 below show where in the intestine these types appear.

Broilers were infected with Coccidiosis 14 days after birth. Results of oocyst counts and lesion scores on day 20 and 27 of age are presented in Table 1 below. Oocyst counts were lower for the Intesti-Flora® group and lesions less severe. This trial therefore shows that Intesti-Flora® has a positive influence on gut health.

In addition to the positive effects of Intesti-Flora® on gut health, better technical results were achieved. Table 2 shows higher weights, growth and feed intake and a lower FCR for broilers receiving Intesti-Flora® via the drinking water.

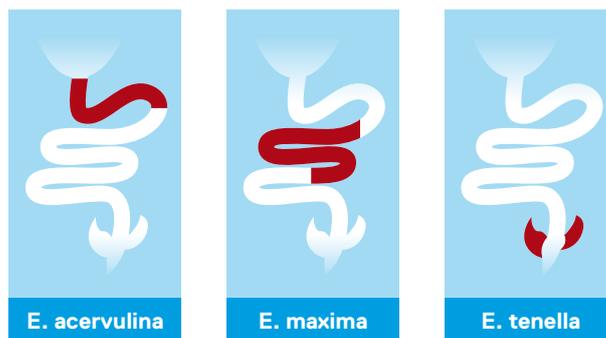


Figure 3: Segments of the poultry gastrointestinal tract where different types of Coccidiosis are active.

Table 1: Oocyst counts and lesion scores at day 20 and 27 for Intesti-Flora® group and Control group.

		Control	Intesti-Flora
Oocyst-counts			
Day 20		4.33	3.74*
Day 27		3.80	3.64
Lesion scores			
Day 20	<i>E. acervulina</i>	1.24	1.00*
	<i>E. maxima</i>	2.29	1.45*
	<i>E. tenella</i>	2.29	1.30*
Day 27	<i>E. acervulina</i>	1.16	1.06
	<i>E. maxima</i>	1.89	1.24*
	<i>E. tenella</i>	1.87	1.24*

* Significantly different

Table 2: Technical performance of Intesti-Flora® group and Control group.

	Control	Intesti-Flora
Weight day 36, gr	1815	1896*
Growth, gr/day	51.0	53.3*
Feed intake, gr/day	81.8	82.7
Feed conversion ratio	1.61	1.55*

* Significantly different

Dosage

0,5 – 1 litre per 1000 litre water. Depending on circumstances, dosage can be increased and period of administration extended.

Clean the drinking system with Aqua-clean® before start using Intesti-Flora®. Stop dosing Intesti-Flora® 12 hours before vaccination through drinking water.

Packaging

1 litre bottle
5 litre can
10 litre can
20 litre can
200 litre drum
1000 litre IBC





Kanters

SPECIAL PRODUCTS

About Kanters Special Products

Specialised in liquid nutritional supplements for supporting animal health and preventing the use of antibiotics, Kanters Special Products improves your business profits. This is achieved by improving technical results and lowering production costs. We develop, produce and market nutritional specialties, cleaning and disinfection agents for (water) pipelines, chickpaper and hoofcare products.

To achieve the highest yield against the lowest costs for the farmer, Kanters Special Products offers an expert and personal accompaniment with the use of its products. We give direct technical advice and support to farmers. With our farm background, we know the daily challenges that farmers are facing. Our tailor made farm programs are made after a farm analysis because every farm and situation is different. Specialised in **result oriented solutions via drinking water**, with a complete product range based on minerals, vitamins, amino acids, organic acids, cleaning and disinfection agents, plant extracts and essential oils we can also help you to optimize farm profits.

Our dedicated team of advisors is ready to speak with you about the possibilities for your farm. Just contact us via one of the options below or have a look on our website www.kanters.nl.

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