



*The wealth of the sea  
with the nature's gifts*

**The natural solution  
for healthy  
and performing  
farm animals**



**LOMBARDA TRADING S.r.l.,**

an Italian traditional company based  
on modern use of natural products,  
in the field of animal nutrition,

purposes **ALGATAN®**

as a modern and sustainable solution  
for livestock designed for human  
consumption.

**ALGATAN®** is based on the following  
approach:

the use of natural substances  
that can be added to the standard feed,  
completing the alimentary aspect  
with the nutritional one, in order  
to improve the natural physiological  
functions and immune defenses.

*The wealth  
of the sea  
with the  
nature's gifts*



## The natural solution for healthy and performing farm animals

Livestock feeding has been, until now, based on the need to gain the maximum ratio between feeding and animal's weight. The most common treatment is the use of antibiotics at the occurrence of infections. All this is opposite to the natural tradition and has led to great production results, but also to an unsustainable situation. It's time to move on. It is no possible to return to traditional breeding farm, but the technology and the scientific experimentation are already offering different solutions.

**ALGATAN®** is a complementary feed, tailored on the single animal **SPECIES** and its **PHYSIOLOGICAL STATE**. It is composed exclusively of natural products, in an original formulation:

- **POLYPHENOLS** from terrestrial and marine origins,
- **POLYSACCHARIDES** high available micronutrients

**ALGATAN®** acts in the gastrointestinal tract which, as known, is the **largest and vulnerable surface in contact with outside**.

In the gut, digestive processes take place: **gut needs to defend;**

- **Nutrients are absorbed by mucosal wall, opening the door to infections.**

**The bacterial flora (microbiota) is the basis of these processes and, therefore,** strictly connected to **health, metabolism and animal welfare.**

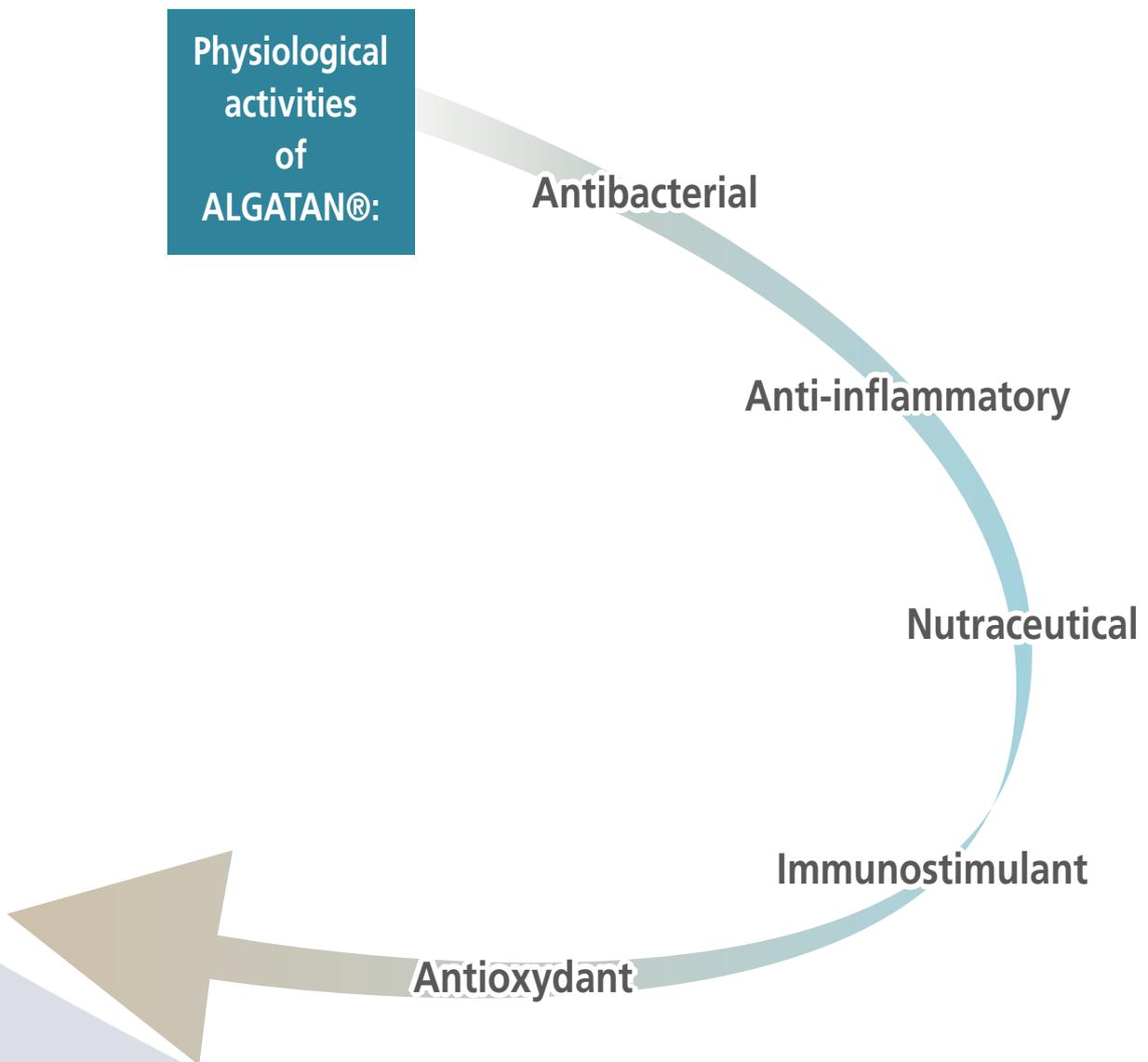
*The wealth  
of the sea  
with the  
nature's gifts*

Usually, enteric problems related to infections is done with microbial antibiotics and chemotherapics causing:

- cross resistance
- environment pollution by residue in manure
- high cost and effectiveness reduction

In any case, antibiotics consumption will be more and more reduced, by the present and future laws.

For these reasons, the natural substances of algal and plant origin are assuming an increasing importance, acting as protectors and balancing the bacterial flora of the gastrointestinal tract.



## IN VITRO SUSCEPTIBILITY TESTING AGAINST BACTERIAL STRAINS IN RESPECT OF THE PRODUCT "ALGATAN®"

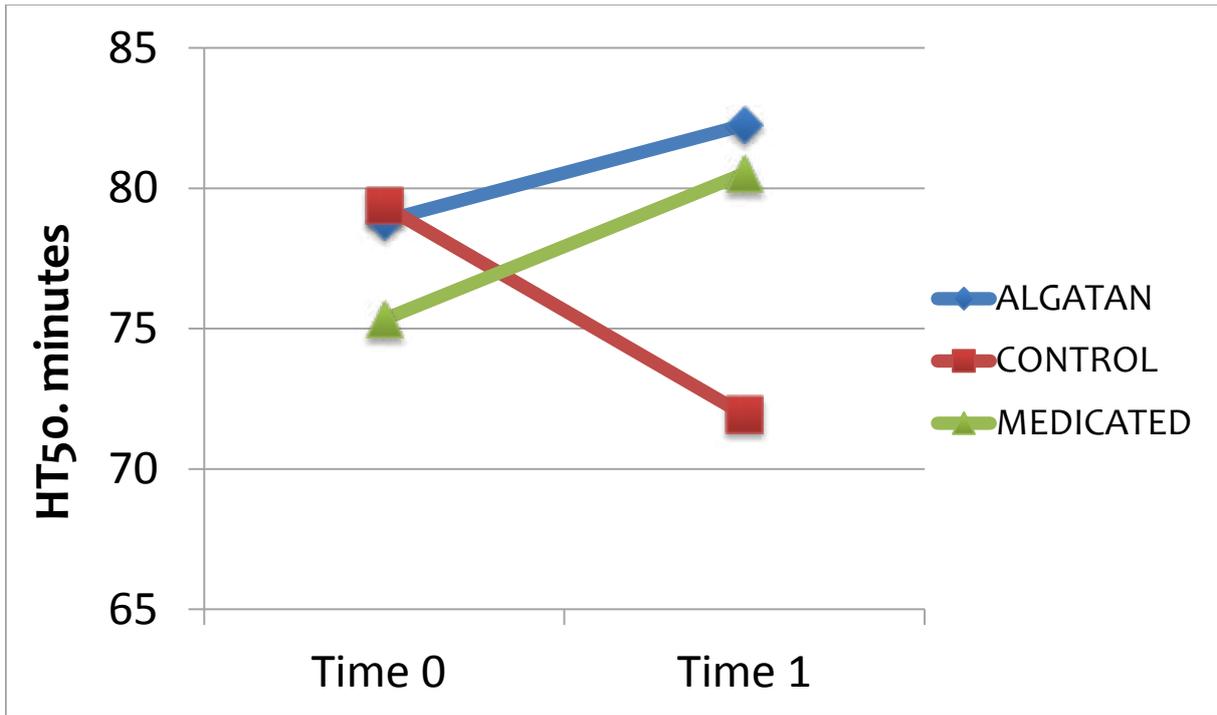
Bacterial strains, isolated and identified in IZSLER section of Forlì, have been used for the test. We started from a pure culture of bacterial strains titrated to 1000 ufc/ml; 1 ml of this culture has been injected in 50 ml of BHI broth at whom we have added the product to test at the rate of 0,25 gr (final concentration 0,5%). At the same time, a positive check has been set up without the product to test. After an incubation period of 3 hours at 37°C (in anaerobiosis conditions for Clostridium perfringens) the bacterial suspensions have been titrated with and without the product.

### Sensitivity test in vitro of Algatan® against avian bacterial strains

PRODUCT	pH	Salmonella Enteritidis ufc/ml	Salmonella hadar ufc/ml	Escherichia coli (st.078) ufc/ml	Clostridium perfringens ufc/ml
Control	7	51 x 10 <sup>5</sup>	35 x 10 <sup>5</sup>	40 x 10 <sup>6</sup>	25 x 10 <sup>5</sup>
<b>ALGATAN®</b>	<b>7</b>	<b>30 x 10<sup>2</sup></b>	<b>14 x 10<sup>2</sup></b>	<b>34 x 10<sup>3</sup></b>	<b>18 x 10<sup>2</sup></b>

Comment: on the basis of the results obtained, the product ALGATAN®, used at the final concentration of 0.5%, has reduced the bacterial concentration, related to the suspension check, about 2 log for Salmonella Enteritidis, Salmonella hadar and Escherichia coli and around 3 log for Clostridium perfringens.

*The wealth  
of the sea  
with the  
nature's gifts*



Radical scavenging activity of red blood cells from piglets fed with Algatan or with the same feed, medicated and not.





Made in EU

Exclusive distributor for Italy:

**LombardaTrading s.r.l.**

Via Progresso 17

26011 Casalbuttano ed Uniti (CR)

Tel. 0374 361007

E-mail: [info@lombardatrading.it](mailto:info@lombardatrading.it)

[www.lombardatrading.it](http://www.lombardatrading.it)

*The wealth  
of the sea  
with the  
nature's gifts*