



COBIOTEX[®] Biofilm

TECHNICAL DATA SHEET

BIO CONTROL BY SELECTED SURFACE FLORA

PRINCIPLE

Cleaning and disinfecting the livestock's buildings is an absolutely necessary job in the schedule in order to reduce the bacterial rate, and that has to take place before the livestock comes in.

This step is however not (efficient) enough, since afterwards there still can be bacteria located in hard to reach places, within the biofilm or even that are just resistant to disinfecting products.

That is how buildings are contaminated in the long run; the bacterial rate increases and this anarchical development can cause many sanitary problems and have economic outcomes.

The **COBIOTEX[®] Biofilm** principle is to **control the flora using a bacterial complex in the whole building.**

This "positive biofilm" will guide the surrounding microbism and limit the commensal flora (enterobacteria, sulfite reducing bacteria, ...) by:

- 1 - Quick colonisation of livestock's contact areas
- 2 - Using the commensal flora's usual nutrients (nutritive competition)
- 3 - Producing agents which inhibit the commensal flora

BENEFITS - Animals' health

- Control of noxious commensal populations (salmonella, coliform bacteria, staphylococci...) inside the buildings, the hatcheries, ...
- Decrease of mortality and bacterial diarrhoea hazards.
- Decrease of antibiotic use.
- Improvement of the zoo-technical performances (growth, feed conversion...).
- Decrease of risks linked to finished products' contamination (meat, eggs...).



COMPOSITION

- Lyophilized bacterial complex belonging to groups of lactic acid bacteria and *Bacillus subtilis*.
- Nutritive carrier (biological starter)

COBIOTEX strains are isolated from the natural environment and selected according to their metabolic rates and their ability to efficiently colonise the treated areas.

These strains belong to the group 1 of the European classification of microorganisms. (Directive 2000/54/CE of European Parliament and of the Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work).

Each COBIOTEX strain is individually identified (DNA sequencing) and registered in the 'Collection National de Cultures de Microorganismes' (Institut Pasteur - France).

Microorganisms may cause sensitization reaction.

COBIOTEX® Biofilm

TECHNICAL DATA SHEET



INSTRUCTIONS FOR USE

Product **usable in Organic Farming** in accordance with Regulation (EC) N° 2018/848

Prepare the solution 30min to 1 hour before application.
Do not use chlorinated water or water treated with disinfectants.
The solution can be stored 48 hours at 4°C.



PREVENTIVE APPLICATION ON ANIMAL FEET (HOOVES ...)

Recommended dose: 10 g of **COBIOTEX® Biofilm** in 1 litre of water for 300 ml of solution per cow by day of treatment

Application method: by contact (Bath, Aspersión...)

Application frequency: Week 1 : daily - Next weeks: 1 or 2 times / week (according to your board veterinarian).
For better prophylaxis, do not forget to treat the environment.

APPLICATION ON LIVESTOCK BUILDINGS, EQUIPEMENTS AND FLOORS

Wait 24 to 48 hours after chemical cleaning and disinfection steps (dry surfaces).
Spray or nebulize **COBIOTEX® Biofilm** solution on whole areas and equipment of the livestock building in the form of fine droplets without runoff. Let dry.
Repeat this proceeding 24 to 48 hours later (and during livestock farming if necessary according to your board veterinarian).

Recommended dose:

- Ground poultry: **1 kg** of **COBIOTEX® Biofilm** diluted into **60 litres** of water enables an application on areas and equipment of the livestock building of 1000 m² on the floor.
- Poultry in cages: **1 kg** of **COBIOTEX® Biofilm** diluted into **60 litres** of water for 10 000 hens
- Sows / Farrowing house: **50-100g** of **COBIOTEX® Biofilm** diluted into **6 litres** of water for 10 places.

APPLICATION ON LITTER

During the installation of a litter, treat the floor, mulching, repeat the treatment on the litter area. A sprayer of **35 litres** enables an application of **1000 m²** on the floor.

Recommended dose: 250 g of **COBIOTEX® Biofilm** for 1000 m². Repeat **every 2 weeks**.

STABILITY

Active product during **24 months** from manufacturing date when stored in its original packaging protected from light, heat and humidity.

This product must be stored at **stable temperature**.

PACKAGING

4 x 1 kg plastic pot packed in cardboard box, 300 kg maximum per pallet (Product ref. : D9C112.BT1)