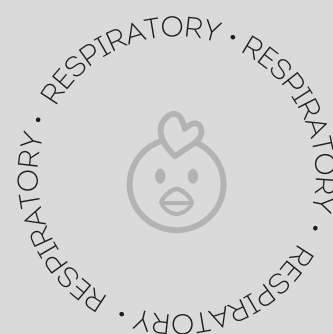


SPECTOLIN

Spectinomycin 44.4% + Lincomycin 22.2%

Powder for oral use

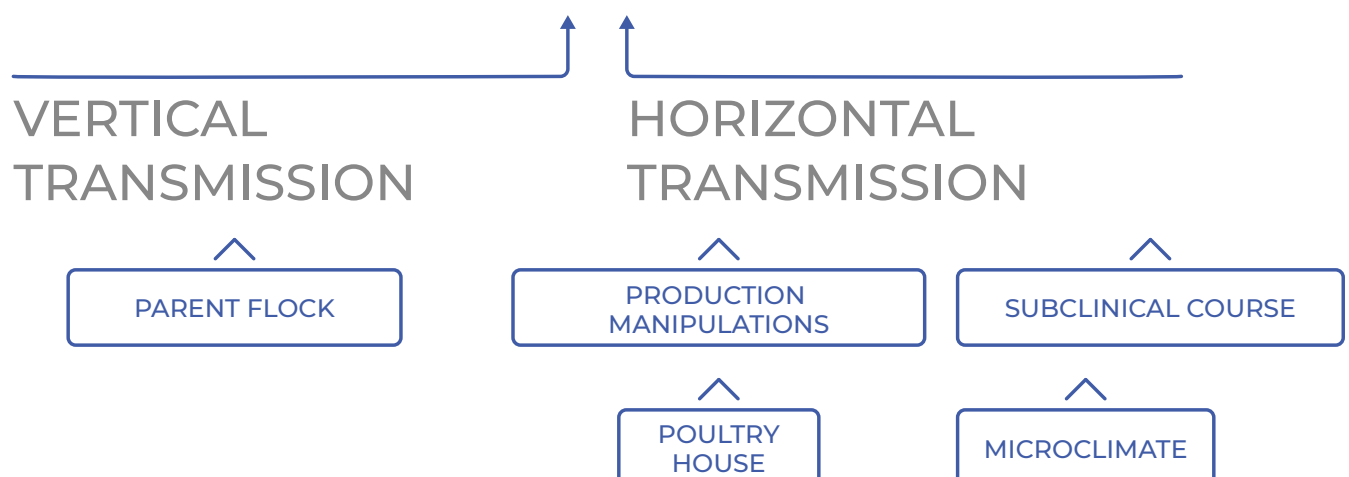
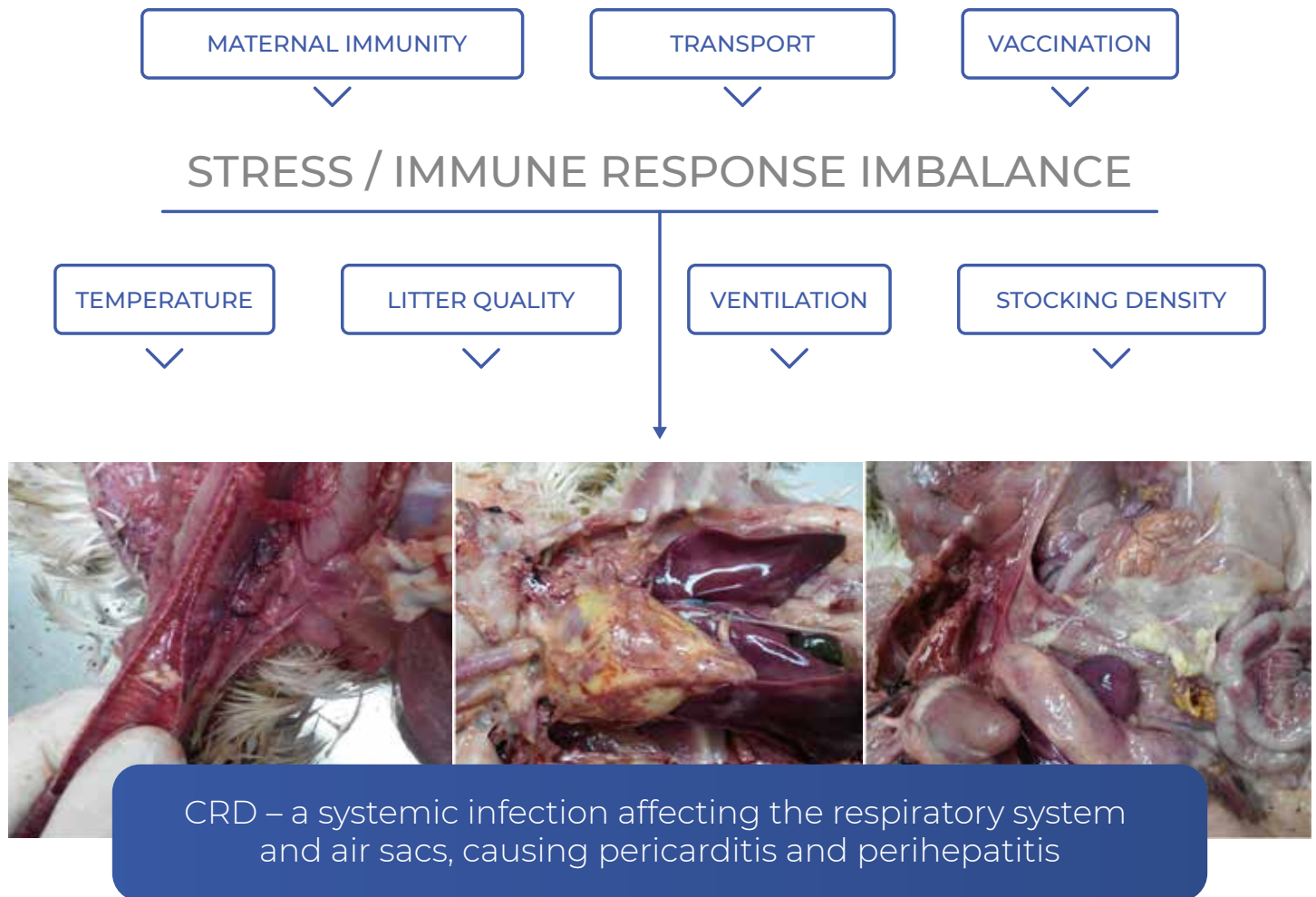


EFFECTIVE CONTROL
OF CRD COMPLEX IN POULTRY

CRD COMPLEX

CRD (Chronic Respiratory Disease) is one of the most dangerous diseases in poultry farming, leading to significant economic losses. The disease has a complex etiology and is most often caused by the combined action of *Mycoplasma gallisepticum* and a secondary bacterial infection, particularly *E. coli*.

Pathogens can enter the flock right from the start (vertically from parents) and, under the influence of stress factors, spread rapidly through horizontal transmission

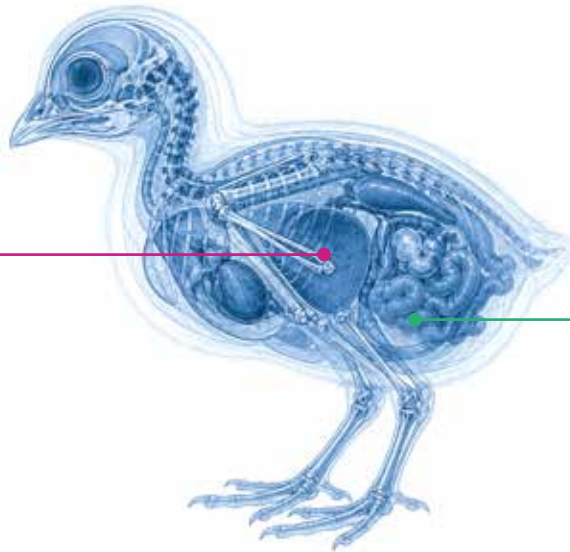


SPECTOLIN

SCIENTIFICALLY BASED COMBINATION: SPECTRUM OF ACTION • LOCALISATION • SYNERGY

LINCOMYCIN 22,2%

Penetrates tissues well, reaches high concentrations in the lungs. Active against Gram-positive bacteria and *Mycoplasma* spp



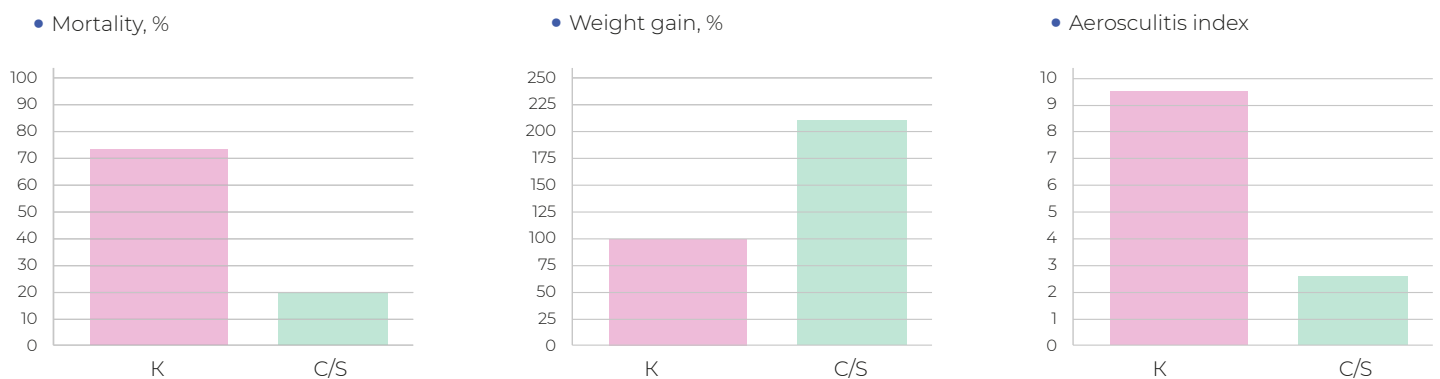
SPECTINOMYCIN 44,4%

Effective concentration in body fluids. Active against Gram-negative bacteria. Prevents *E. coli* from colonising the respiratory tract

Lincomycin achieves high concentrations in lung tissue, whilst spectinomycin disrupts *E. coli* adhesion, providing a comprehensive effect on the pathogenesis of CRD

EFFICACY STUDIES

Use of a combination of spectinomycin and lincomycin (2:1) for the treatment of chicks experimentally infected with *M. gallisepticum* and *E. coli*¹



n = 15/group of day-old chicks. K - control (infected). C/S - Combination of Spectinomycin and lincomycin in a 2:1 ratio (0.79 g/l, in drinking water), course – 7 days

The European Medicines Agency (EMA) has confirmed the validity of the combination of lincomycin and spectinomycin in water-soluble forms in a 1:2 ratio, provided they are used rationally²

¹Hamdy, A. H. Blanchard, C. 3. (1969) The effect of lincomycin and spectinomycin in water on chickens experimentally infected with *Mycoplasma gallisepticum* and *Escherichia coli*. Poultry Science, 48(5), 1703–1700

²EMA (CVMP) (2014) Scientific evaluation of veterinary medicinal products containing lincomycin and spectinomycin for oral use in pigs and poultry <https://www.ema.europa.eu>

SPECTOLIN

KEY BENEFITS OF USE

Control of chronic respiratory diseases in poultry, CRD (*Mycoplasma gallisepticum*, *E. coli*)

Higher efficacy and cost-effectiveness of the 2:1 active ingredient combination compared to the 1:1 combination

Effective control during critical rearing periods (weeks 1–4), helping to maintain growth rates

High water solubility, no risk of clogging the drinking system

ADMINISTRATION AND DOSAGE SCHEDULE

TYPE OF POULTRY	METHOD OF ADMINISTRATION	DAILY DOSAGE	TREATMENT COURSE	WITHDRAWAL PERIOD
Broilers, breeding poultry, replacement young stock*	Orally with water**	75 mg of the product/1 kg b.w. or 150 g of the product/2000 kg b.w.	5–7 days	5 days

*Do not use in laying hens whose eggs are intended for human consumption

**Water containing the product must be the sole source of drinking water. The working solution must be prepared daily

Calculation of the daily concentration of SPECTOLIN in water
(based on target performance indicators for Cobb 500 broilers)

AGE OF BIRDS, DAYS	WEIGHT OF 1,000 BIRDS, KG	SPECTOLIN REQUIREMENT FOR 1,000 BIRDS, G
0	42	3,15
1	63	4,725
2	74	5,55
3	90	6,75
4	109	8,175
5	134	10,05
6	163	12,225
7	193	14,475

The calculation is performed using the formula: $m = 0.075 \times M$ of poultry, where m is the concentration of SPECTOLIN in water (g), 0.075 is the dose of SPECTOLIN (g/kg of poultry weight), and M is the total live weight of the poultry flock (kg)

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