

Melocdi

W.S.P

(For vet. Use only)

Composition:

Each 1 gm contains:

Lincomycin hydrochloride monohydrate 270.84 mg (Eq. to 227.5 mg lincomycin base)

Spectinomycin sulfate 4 H₂O 701.15 mg (Eq. to 455 mg spectinomycin base)

Properties:

Spectinomycin is an aminocyclitol antibiotic produced by *Streptomyces spectabilis*. It exerts its bacteriostatic effect by binding to the bacterial 30 S ribosomal subunit and inhibiting the translation of protein synthesis. It is active against Gram –ve organism such as *Salmonella spp*-*Escherichia coli*- *Pasteurella multocida* and *Mycoplasma*. **Lincomycin** is a lincosamide antibiotic, it exerts its antibacterial action by inhibiting RNA- dependent protein synthesis by acting on 50S subunit of the ribosome. It is active against gram-positive bacteria such as *Staphylococcus spp.**Streptococcus spp.*, *Clostridia spp* and *Erysipelothrix spp.*, and some gram-negative anaerobic bacteria such as *Bacteroides spp.* and *Fusobacterium spp.*, and *Mycoplasma spp*. Lincomycin and spectinomycin have been shown to be synergistic in vitro against anaerobes implicated in the pathogenesis of swine dysentery. There is a synergistic effect on the association of lincomycin and spectinomycin in the ratio 1:2, resulting in a more efficiently than they do separately

Indications:

Pigs:

- For the treatment of enteritis (ileitis) caused by *Lawsonia intracellularis*.
- For the treatment of swine dysentery caused by *Brachyspira hyodysenteriae*

Broiler chickens, pullet and turkey:

- For treatment of complicated chronic respiratory disease (air sac infection) caused by *Escherichia Coli* and *M. gallisepticum* susceptible to lincomycin- spectinomycin.
- For treatment of airsacculitis caused by either *Mycoplasma Synoviae* or *Mycoplasma gallisepticum* susceptible to lincomycin –spectinomycin.

Target species:

Pigs, broiler chickens, pullet and turkey.

Dosage and administration:

Route of administration: Orally via drinking water.

Pigs: 11 mg of the product /kg.B.W/day for 4 days.

Pullet: 110 mg of the product /kg.B.W/days, for 4 days.

Broiler chickens and turkey: 1100 mg of the product / liter/day, for 4 days

Warning & Precautions:

-Due to a widespread development of resistance. Sensitivity tests must be formed before the application of the product.

-Special care has to be taken when using the pharmaceutical in lactating animals, as gastrointestinal disturbances due to lincomycin may occur in suckling off- spring.

-Do not use simultaneously with erythromycin.

Contra-indications:

Do not administer in liver dysfunction cases.

Do not use in chickens reared after the 19th week of life.

Do not administer to poultry producing eggs for human consumption.

Do not use in animals hypersensitive to lincomycin- spectinomycin or any of the excipients.

Do not use in case of resistance and hypersensitivity to lincomycin

Reduce the dose or prolong the dosage intervals in case of reduced renal function

Because of possible toxic effects do not use in newborn animals.

Do not use in horses ,rabbits, hamsters ,guinea pigs, chinchillas and ruminating animals, because of possible incidence of severe colitis.

Adverse effect:

Diarrhea, vomiting and anorexia may occur occasionally after administration of lincomycin, whereas reddening of the skin and restlessness appear seldom

The treatment should be discontinued or changed, respectively, if gastrointestinal disorders or an intensification of already existing diarrhea occur shortly after starting the therapy.

Slight redness and swellings of the anal and vulvar region may appear 18 to 36 hours after starting the treatment in pigs. These symptoms generally disappear of their own within 5 to 8 days.

Allergic reaction may occur in single cases.

Neuromuscular blocks may occur in single cases which are not cancelled through indirect active parasympathomimetic drugs (e.g. neostigmine) and only partially cancelled through calcium.

In anaphylaxis: epinephrine (adrenalin) and glucocorticoids i.v.

In allergic skin reactions: antihistaminics and /or glucocorticoids

Withdrawal time:

Pigs: Meat and offal: 8 days

Broiler chickens, pullet and turkey: Meat and offal: 8 days

Storage conditions:

Store at temperature not exceeding 30°C, in dry place and to be used immediately after opening and reconstitution.

Packaging:

Transparent Plastic LDPE bag containing 20, 100, 250, 500, 1000 gm of the product in HDPE white plastic container with an outer label with HDPE cap and insert leaflet.

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