

LINCO ACTIN INJECTION

Description and Composition

LINCO ACTIN INJECTION is a colourless to yellow clear solution. Each ml contains 50mg Lincomycin (as hydrochloride) and 100mg Spectinomycin (as sulphate) as its active ingredients and 10mg Benzyl Alcohol as its preservative.

Pharmacodynamics

The lincomycin-spectinomycin combination covers a broad spectrum of activity against Gram-positive, Gram-negative bacteria and mycoplasma.

Lincomycin is more specifically active against Gram-positive bacteria (such as streptococci and staphylococci) and mycoplasma, while spectinomycin is more specifically active against Gram-negative bacteria (*Colibacillus*, *Pasteurella*, *Salmonella*), mycoplasma and Gram-positive bacteria.

Pharmacokinetics

Lincomycin is well distributed throughout the body and is significantly metabolized. Spectinomycin is also well distributed throughout the body and appears to be excreted primarily unchanged.

Indication

For diseases caused by bacteria sensitive to lincomycin and spectinomycin.

Calves: For the treatment of respiratory infections, arthritis and omphalitis.

Pigs: For the treatment of intestinal adenomatosis (ileitis) caused by *Lawsonia intracellularis*, haemorrhagic enteritis and colibacillosis, mycoplasma and infectious arthritis.

Sheep and goats: For the treatment of respiratory infections and mycoplasma.

Poultry: For the treatment of mycoplasma associated or not with *Escherichia coli*, airsacculitis caused by *Escherichia coli* and avian cholera caused by *Pasteurella multocida*.

Dogs and cats: For the treatment of respiratory, intestinal, urinary, skin (including wounds and abscesses) and arthritis infections caused by organisms susceptible to lincomycin and/or spectinomycin, including *Staphylococcus* spp., *Streptococcus* spp., *Bacteroides* spp., *Clostridium* spp., *Fusobacterium* spp., *Actinomyces* spp. and *Mycoplasma* spp.

Recommended Dose

Calves: 5mg lincomycin and 10mg spectinomycin per kg body weight (corresponding to 1ml of product per 10kg body weight) intramuscularly. Two injections at 12 hours interval on the first day of treatment, then one injection per day for 3 to 5 days.

Sheep and goats: 5mg lincomycin and 10mg spectinomycin per kg of body weight (corresponding to 1ml product per 10kg of body weight) intramuscularly, once daily for 3 to 5 days.

Pigs: 5mg lincomycin and 10mg spectinomycin per kg of body weight (corresponding to 1mL product per 10kg of body weight) intramuscularly, repeat if necessary after 24 hours and for up to 5 days.

Poultry: 10mg lincomycin and 20mg spectinomycin per kg of body weight (corresponding to 1mL product per 5kg of body weight) subcutaneously, once daily for 3 days.

Dogs and cats: 10mg lincomycin and 20mg spectinomycin per kg of body weight (corresponding to 1mL product per 5kg of body weight) intramuscularly. Repeat at 12 and 24 hours interval for 3 to 7 days depending on clinical response.

To ensure correct dosage, body weight should be determined as accurately as possible.

Route of Administration

To be given by intramuscular injection in calves, sheep, goats, pigs, dogs and cats.

To be given by subcutaneous injection in poultry.

Contraindications

Do not use in case of hypersensitivity to the active substances.

Do not administer to rabbits, hamsters, guinea pigs, chinchillas, or horses, as this may cause serious gastrointestinal disturbances.

Do not administer to dairy females whose milk is intended for human consumption.

Do not administer to laying poultry whose eggs are intended for human consumption.

Warning and Precautions**Special warnings for each target species:**

None.

Special precautions for useSpecial precautions for use in animals:

The use of the product be based on sensitivity tests of the bacteria isolated from the animal.

If this is not possible, therapy should be based on epidemiological information regarding the susceptibility of the target bacteria.

Use with caution in animals that have already shown signs of allergy.

Do not exceed the recommended dose in goats and ewes at the end of pregnancy or at the beginning of lactation.

Special precautions to be taken by the person administering the veterinary medicinal product to animals:

Lincomycin and spectinomycin may cause hypersensitivity (allergy) following injection, inhalation, ingestion or skin contact.

Allergic reactions to these substances can be serious.

In case of known hypersensitivity to these antibiotics, do not handle this product.

Handle this product taking the recommended precautions to avoid any risk of exposure.

If exposed to the product, symptoms such as rash may occur.

Consult a doctor and show the package leaflet.

Swelling of the face, lips or eyelids, or difficulty breathing are more serious symptoms and require urgent medical attention.

Care should be taken to avoid accidental self-injection.

In case of accidental self-injection seek medical attention immediately.

Interaction with Other Medicaments

None known.

Pregnancy and Lactation

No studies have been conducted in pregnant or lactating females or in breeding animals.

Use only according to the benefit/risk assessment made by the veterinarian.

Side Effects

A softening of the stools can sometimes be observed. This is generally transient and recedes in a few days without treatment.

Use of this product may cause occasional local discomfort during injection.

Symptoms and Treatment of Overdose

None known.

Storage Condition

Store below 30°C.

Shelf life

3 years.

Following withdrawal of first dose, use the product within 24 hours. Any unused material should be discarded.

Withdrawal Periods

Meat and offal: Calves, sheep, goats, pigs and poultry: 14 days

Milk: Sheep and goats: Do not use in females producing milk, in lactation or during the dry period or in future producers of milk within 2 months preceding farrowing.

Eggs: Do not use in laying birds producing eggs for human consumption.

Packing

20ml, 50ml, 100ml, 250ml.

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	Manufacturer & Product Registration Holder
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