For Veterinary Use Only

Biolaktin®

Veterinary Intramammary Antibacterial Solution

COMPOSITION:

In each 10ml injector,

Lincomycin 250. 0 mg

Neomycin 200. 0 mg

A colorless, clean solution with a characteristic odor.

PHARMACOLOGICAL PROPERTIES:

Biolaktin, is a formulation which was specifically developed for the intramammary administration to cows during lactation with a property of good penetration into breast tissue. As effects of lincomycine and neomycine based on inhibition of protein synthesis develop consecutively and sequentially, bactericide effects occur strongly and irreversibly. E. coli, Enterobacter aerogenes, Pasteurella sp, Pr. vulgaris, Salmonella sp, Shigella sp, H. influenza of gram-negative bacteria, and anaerobic bacteria sensitive to B. Anthracis, Borrelia sp, Staph aureus, Str. faecalis, L. monocytogenes, Streptococcus pyogenes and streptococci of viridans group of gram-positive bacteria are resistant to neomycine. Stafilococcus species, B hemolytic streptococci, Clostridium perfringens, Mycoplasma sp, Neisseria sp, Actinomyces sp, Corynebacterium sp, Bacterioides sp and Camphylobacter sp. are sensitive and all aerobic gram negative basils, Nocardia and Mycobacterium species are resistant to lincomycin. Due to its slight basic nature (pKa 7.6), it has characteristics of good diffusion in milk and good penetration into breast tissue. Following 3 intramammary administrations performed at an interval of 12 hours, the level of residue in milk is less than 200µg/kg after 48 hours. When neomycin is administered intramammarily it is sparingly transmitted into blood stream. It shows a tendency for binding especially to the breast tissue and secretions. Therefore, neomycin has limited pharmacokinetic properties.

AREA OF USE / INDICATIONS:

Ir indicated in the treatment of clinical and subclinical mastitis infections in milch cows during lactation. It is especially used for mastitis arising especially from Streptococcus agalactiae, Streptococcus dysgalactiae, Streptococcus uberis, Staphylococcus aureus and E. Coli.

USAGE AND DOSAGE:

After draining away the intramammary milk in cows, the breast and nipples are cleaned with a suitable breast antiseptic. After each nipple is cleaned with a sterile cotton (preferably alcohol solution) a 10 ml solution is completely applied to each breast lobe through breast duct. 3 administrations are performed at an interval of 12 hours after each milking. The application interval should be not less than 12 hours and milking should not be performed for at least 6 hours after the administration. Avoid contamination of the injector tip after opening the injector.

SPECIFIC CLINICAL DATA:

Before the intramammary antibiotics administration, draining the breast ensures more efficient treatment by preventing the diffusion and the dilution of the drug, due to the excessive milk in the breast. Therefore, before the administration the milk should be drained efficiently by the application of oxytocin hormone.

UNDESIRED EFFECTS

No findings have been discovered regarding the side effects of intramammary administration of lincomycin and neomycin.

DRUG INTERACTIONS:

Lincomycin should not be used together with erythromycin due to pharmacologic incompatibility.

WARNINGS FOR DRUG RESIDUES IN FOOD:

Withholding period (WHP); The cows should not be sent for slaughter during the treatment and before 2 days after the final administration, and cow milk should not be offered for consumption during the treatment and 8 milking processes (4 days) after the final administration.

CONTRAINDICATIONS:

No contraindication is known in intramammary administration. The milk should not be used for calf feeding during intramammary antibiotic administration and before the completion of legal purification period.

GENERAL WARNINGS:

Consult your veterinary surgeon before using and in case an unexpected effect is observed. Keep out of reach of children. Intended only for intramammary administration.

PRECAUTIONS TO BE TAKEN BY THE USER

Avoid eating and drinking during administration and use suitable gloves. In case of skin contact, wash with plenty of water.

STORAGE CONDITIONS AND SHELF LIFE

Shelf life is 2 years as of the production date.

Store at room temperature of (15-25℃) away from sun light.

COMMERCIAL PRESENTATION FORM:

Offered for market in 10 ml white polyethylene injectors in cardboard outer package with a special polystyrene for 3 injectors in boxes of 40 parts and 12 pvc plastic packages.

PLACE AND CONDITIONS OF SALE:

Sold with Veterinary Surgeon's prescription in veterinary surgeries and polyclinics (VPS).

APPROVAL DATE OF PACKAGE INSERT:06.05.2004

MINISTRY OF AGRICULTURE AND RURAL AFFAIRS MARKETING AUTHORIZATION DATE AND NO: 31.12.2003-13/020

NAME AND ADDRESS OF MARKETING AUTHORIZATION OWNER:

Alke Sağlik Ürünleri San. ve Tic. A.Ş

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