

CORTISEL

SPRAY

For Veterinary Use Only

COMPOSITION:

Each ml contains

Oxytetracycline HCl5mg

Hydrocortisone1.6mg

INDICATIONS:

Cortisel spray is a broad spectrum spray with a powerful combination of antibiotic and a steroid and acts as an antibacterial and anti-inflammatory at the same time.

Hydrocortisone reduce swelling, erythema, purities and allergic reaction. It is used in the treatment of severe allergies, skin problem and arthritis. **Oxytetracycline** is a bacteriostatic broad-spectrum antibiotic, active against a wide variety of gram-positive and gram negative organisms.

Cortisel spray is used for cuts, bruises, infectious wounds, foot rot and allergic dermatological disorder.

PROPERTIES:

Oxytetracycline inhibits cell growth by inhibiting translation. It binds to the 30S ribosomal subunit and prevents the amino-acyl tRNA from binding to the A site of the ribosome. The binding is reversible in nature. Oxytetracycline is lipophilic and can easily pass through the cell membrane or passively diffuses through poring channels in the bacterial membrane. Oxytetracycline is indicated for treatment of infections caused by a variety of Gram positive and Gram negative microorganisms including Mycoplasma pneumonia, Pasteurella pestis, Escherichia coli, Haemophilus influenza (respiratory infections), and Diplococcus pneumonia.

Hydrocortisone binds to the cytosolic glucocorticoid receptor. After binding the receptor the newly formed receptor-ligand complex translocate itself into the cell nucleus, where it binds to many glucocorticoid response elements (GRE) in the promoter region of the target genes. The DNA bound receptor then interacts with basic transcription factors, causing the increase in expression of specific target genes. The anti-inflammatory actions of corticosteroids are thought to involve lipocortins, phospholipase A2 inhibitory proteins which, through inhibition arachidonic acid, control the biosynthesis of prostaglandins and leukotrienes.

DOSAGE AND ADMINISTRATION:

Properly clean the infected area and spray twice a day, keep the spray 15-20cm away from the site, press spray nozzle for few seconds to cover the affected area completely. Only sufficient spray to coat the skin thinly is

necessary.

The application of small amounts at frequent intervals will give best results. Before treating animals with long or matted hair, it may be necessary to clip the affected area or spread the hairs to allow the medication to contact the skin surface. Relief may be noted following the first or second treatment; however, treatment should not be discontinued too soon after the initial favorable response has been obtained.

PRECAUTIONS:

- **Shake well before use.**
- Keep away from eyes or other mucous membranes; avoid inhaling; use with adequate ventilation; in case of deep or puncture wounds or serious burns, consult a veterinarian.
- Do not spray near open flames.
- Do not puncture of incinerate even when empty.
- Highly inflammable.
- Store between 15-25°C in a cool and dry place.
- Keep out of the reach of children.

Innovator's Specs.



Manufactured by:
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