

OXIGAN SPRAY

EXTERNAL PARASITE TREATMENT

AEROSOL

Health Registration No.: 2C1-8A4-10212 AGROCALIDAD

Formula:

Each 100 ml contains:

Oxytetracycline	8g
Diclofenac Diethylammonium	3g
Excipients q.s.	100 ml

SPECIES AND DOSAGE:



DOSAGE		
SPECIES		DIRECTIONS FOR USE
Cattle		Shake before use. Apply the product to the affected area from a distance of approximately 20 cm until it is completely and evenly covered. Repeat the treatment every 12 hours until the lesion has healed.
Equines		
Swine		
ROUTE OF ADMINISTRATION: Topical		
Repeat treatment every 12 hours until the lesion has healed.		

INDICATIONS:

OXYGAN SPRAY is a topical antibiotic, anti-inflammatory, and analgesic, useful in the treatment of lesions associated with bacterial infection; its use is recommended in cattle, swine, and sheep.

ROUTE OF ADMINISTRATION: Topical.

PHARMACOKINETICS:

Diclofenac: The distribution of diclofenac following topical administration has been reported as follows: in plasma (Greater or the same as 0.064 µg/mL), synovial fluid (Greater or the same as 0.118 µg/mL), and synovial tissue (Greater or the same as 0.130 µg/g).

Oxytetracycline: Oxytetracycline is eliminated unchanged, primarily by glomerular filtration. These drugs do not appear to be metabolized but are excreted via the gastrointestinal tract through both biliary and nonbiliary pathways and may be inactivated following chelation with fecal matter.

MECHANISM OF ACTION:

Diclofenac: As with all nonsteroidal anti-inflammatory drugs, the pharmacodynamic effects of diclofenac sodium are anti-inflammatory, analgesic, and antipyretic due to the reduction in the synthesis of prostaglandins from arachidonic acid through inhibition of cyclooxygenase activity.

Oxytetracycline: It generally acts as a bacteriostatic antibiotic and inhibits protein synthesis by reversibly binding to the 30S ribosomal subunits of susceptible microorganisms, thereby preventing the binding of aminoacyl-tRNA transferase to these ribosomes. It is also believed that tetracyclines reversibly bind to the 50S ribosomal subunits and, in addition, alter the permeability of the cytoplasmic membrane in susceptible microorganisms.

PRECAUTIONS- WARNINGS-CONTRAINDICATIONS:

- For external use only.
- Do not apply to: the eyes, mouth, inside the ears, or on mucous membranes.
- Flammable product, pressurized container; do not use near fire.
- Do not expose the container to direct sunlight.
- Do not transport the product inside vehicles for long periods of time.
- Do not puncture or incinerate, even if the container is empty.
- Do not dispose of in the environment after use. Follow the proper procedure for disposing of the container.

DRUG INTERACTIONS

Bacteriostatic agents, such as tetracyclines, may interfere with the bactericidal activity of penicillins, cephalosporins, and aminoglycosides.

ADVERSE REACTIONS

It may occasionally cause local reactions in animals hypersensitive to tetracyclines.

WITHDRAWAL

None.



COMMERCIAL PRESENTATIONS

100-ml bottle

250-ml bottle

