

# OXYFEN-LA

Injection

For Veterinary Use Only

## COMPOSITION:

Each ml contains

Oxytetracycline as HCl .....200mg

Ketoprofen .....30mg

## INDICATIONS

**Oxyfen-LA** injection is indicated for the treatment of pneumonia, shipping fever, infectious bovine keratoconjunctivitis (Pink eye), bacterial enteritis, diarrhea, arthritis, actinobacillosis, leptospirosis, Anaplasmosis, infected wounds, acute metritis, septicemic mastitis, infections of urogenital tract and other non-specific and secondary bacterial infections of viral diseases.

## PHARMACOKINETICS

Oxytetracycline is quickly distributed in the body tissues after parenteral administration. High concentrations are found in kidneys, liver, bile, lungs, spleen and bones. Oxytetracycline is mainly excreted through glomerular filtration and biliary elimination. Generally 50 – 80% of applied dose can be recovered in the urine.

Ketoprofen is a very powerful and safe non-steroidal anti-inflammatory drug (NSAID) which has short half-life. Ketoprofen is rapidly absorbed after intramuscular administration and peak serum concentrations are achieved after 20 – 30 minutes. Ketoprofen reversibly binds to plasma proteins and distributed in all the tissues, including musculoskeletal system. Ketoprofen is bio transformed by conjugation to glucuronic acid. Excretion is essentially takes place by urine and 50% of administered dose is mainly excreted in 6 hours

## PHARMACODYNAMICS

Oxytetracycline has broad spectrum of antimicrobial activity against gram-positive, gram-negative and spirochetes. Oxytetracycline exert its action by protein synthesis inhibition. Tetracyclines enter into microorganisms both by diffusion and energy dependent conveyor.

Ketoprofen is very safe and strong NSAID which has short mean life and do not tend to accumulate.

The main mechanism of action of ketoprofen is the inhibition of cyclooxygenase (COX) & lipoxygenase which leads to double blockage of biosynthesis of prostaglandins (PG). The action on lipoxygenase is almost exclusively to ketoprofen.

## DOSAGE AND ADMINISTRATION

Administer the following dose by deep intramuscular or subcutaneous injection only.

### Cattle / Buffalo / Sheep / Goat:

1ml per 10kg bodyweight (20mg / kg Oxytetracycline and 3mg / kg ketoprofen).

Dosage may be repeated after 48 hours if required.

## PRECAUTIONS

Shake well before use.

It is not recommended to pregnant animals, especially in the last trimester.

A transitory local irritation reaction with edema, swelling and erythema may last about 5 days at injection site.

Do not administer in cases of ascertained renal insufficiency.

Don't mix with other products in the same syringe.

Store between 15-25°C in a cool and dry place.

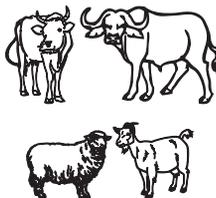
Keep out of the reach of children

Consult the veterinarian before

## Withdrawal Period:

Meat 28 days, Milk 4 days.

## Innovator's Specs



 **Selmore**  
Pharmaceuticals (Pvt) Ltd.

Manufactured by:  
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