

# Otetra-Vet<sup>®</sup> 50 Powder

Oxytetracycline HCL BP

## Composition:

Each gm powder contains Oxytetracycline Hydrochloride BP 500 mg.

## Pharmacology:

Oxytetracycline is under group of Tetracycline's which bind to the 30s ribosomal subunit of bacterial ribosome and interfere with the binding of aminoacyl-tRNA to the mRNA molecule in ribosome complex. Thereby interfere with bacterial protein synthesis in growing or multiplying bacteria leading to bacteriostatic but higher concentration results bacteriocidal action.

## Indication:

Otetra-Vet<sup>®</sup> 50 Powder is an antibiotic for poultry, cattle, goat, shrimps, fresh water fishes & aquarium fishes used in feed or drinking water for prevention and treatment of bacterial diseases. Poultry diseases have been a major target of Oxytetracycline medication.

*Poultry:* Colibacillosis (*E. coli*), infectious coryza (*Haemophilus gallinarum*), mycoplasmosis, chronic respiratory diseases, airsacculitis, infectious synovitis (*Mycoplasma gallisepticum*, *Mycoplasma meleagridis*, *Mycoplasma synoviae*) clostridial dermatitis (*Clostridium septicum*), necrotic enteritis (*Clostridium perfringens*, types A & C), pullorum disease (*Salmonella pullorum*) fowl cholera, coccidiosis etc.

*Cattle, Buffalo, Sheep and Goat:* Anthrax, haemorrhagic septicaemia, black quarter, rinderpest, brucellosis, calf scour, infectious enteritis, dysentery, pneumonia, navel ill, liver infection, abscess, mastitis, pyometra, metritis, peritonitis, infectious pleuropneumonia, calf diphtheria, paratyphoid, foot-rot, salmonellosis, actinomycosis, anaplasmosis and secondary infections in viral diseases.

## Dosage & Administration:

*Poultry:*

Treatment: Otetra-Vet<sup>®</sup> 50 powder as 100 mg/kg body weight or 1 gm per 2.5 litre drinking water for 3-5 consecutive days or 50 gm per 100 kg feed for 7 consecutive days.

Prevention / Growth Promotion: Otetra-Vet<sup>®</sup> 50 powder as 50 mg/kg body weight or 1 gm per 5 litre drinking water for 3-5 consecutive days or 35 gm per 100 kg feed for 7-10 consecutive days.

*Calves:*

Treatment: 40 mg Otetra- Otetra-Vet<sup>®</sup> 50 per kg body weight for 3-5 consecutive days.

Prevention/ Growth Promotion: 20 mg Otetra-Vet 50 powder per kg body weight for 7-10 consecutive days.

*Fishes:* 11 gm - 16 gm Otetra-Vet<sup>®</sup> 50 powder per 100 kg fishes.

*Honey Bees:* 0.5 gm Otetra-Vet<sup>®</sup> 50 powder per colony. Usually 3 dustings are required at 4-5 days interval.

## Use in Pregnancy and Lactation:

Otetra-Vet<sup>®</sup> 50 Powder should not be used during pregnancy because of the risk of hepatotoxicity in the mother as well as the effects on the developing fetus. Use in pregnancy and lactation may result in impaired bone growth and reduce milk production.

## Contra-indication:

Otetra-Vet<sup>®</sup> 50 Powder is contra-indicated to use with calcium containing drug or food.

## Precaution:

Otetra-Vet<sup>®</sup> 50 Powder should not be administered to fish for more than 12 consecutive days without at least a few days break.

## Withdrawal Period:

Beef-7 days, poultry meat-2 days & egg-4 days.

## Pack size:

100 gm & 500 gm in plastic container.