

Stiagen-Vet[®] Powder

Tiamulin Hydrogen Fumarate BP 45%

Composition:

Each gram powder contains Tiamulin Hydrogen Fumarate BP 450 mg.

Mode of action:

Tiamulin Hydrogen Fumarate is a antibiotic of pleuromutilin group. It is a prokaryotic ribosome inhibitor that acts by blocking the initiation of polypeptide chain formation, thus preventing the synthesis of key enzymes and other proteins.

Pharmacokinetics:

- More than 90% absorption at recommended dose.
- Maximum therapeutic concentration within 02 hours after administration.
- 99% tiamulin excreted from blood within 48 hours.
- No side effect, even in case of 03 times excess dose.
- Can be administered with a number of coccidiostats.
- Shows synergistic effect with tetracyclines.

Indication:

Used for the treatment & prevention of Mycoplasmal and other infections of poultry like CRD, CCRD, Sinusitis, Air sacculitis, Enteritis, Pneumonia etc.

Efficacy:

- Improves the performance of broiler birds
 - Controls both MG and MS
 - Improves growth rate and FCR
 - Compatible with a number of modern anticoccidials
- Ideal for laying hens
 - High activity against both MG and MS
 - Improves egg production
 - Zero withdrawal in eggs
- Also ideal for mycoplasma control in breeding flocks
 - Increase of hatchability
 - Protection of the developing chick
 - Cost effective control

Benefits:

- More effective than any other drugs used for the prevention & treatment of mycoplasmosis of poultry.
- Ensures higher weight gain of broiler, egg production percentage of layer & brooding percentage of breeders.
- Shows synergistic action with tetracyclines which gives better result for the treatment of CRD & CCRD.
- Very low resistance development against mycoplasma. It is also effective against tylosin or other antibiotics resistant mycoplasma.
- Shows efficacy in a wide range of pH (3.0-8.4), stable in gastric acid.
- Very minimum or no chance for cross-resistance.
- Wide safety margin.
- Environment friendly, not harmful for plant growth, soil bacteria or fish.

Dose:

Treatment: In water- 25-30 mg/ kg B.W or 1g/2L water for 3-5 days

In feed- 30-40 gm/100 kg feed for 5-7 days

Prevention: In water- 1gm/4L water for 1-7 days

20 gm/100 kg feed for 3-5 days

Compatible anticoccidials:

Lasalocid, Nicarbazin, Semduramicin, Decoquinat, Diclazuril, Amprolium, Halofuginone, Clopidol, Robenidine, Coccidiosis vaccines etc.

Low resistance:

Stiagen-Vet[®] develops resistance very slowly than other antibiotics like Tylosin, Oxytetracycline, Lincomycin & Enrofloxacin.

Negligible cross-resistance:

Stiagen-Vet[®] is an antibiotic of the pleuromutilin family and is not related to other antibiotics, such as the macrolides (tylosin, kitasamycin, erythromycin, josamycin and spiramycin), or the tetracyclines and there is no cross resistance between the families. Due to its lack of cross resistance Stiagen-Vet[®] has been shown to be active against tylosin-resistant strains.

Well tolerated:

Toxicity studies have shown Stiagen-Vet[®] is well tolerated in chickens. The LD₅ (where 5% mortality occurs) for chickens is 1090 mg/kg bodyweight (44 times preventive dose). It is well distributed throughout body tissues and is metabolized and excreted primarily via the liver and kidneys.

Contraindication:

Do not use in birds hypersensitive to the active ingredient.

Adverse effect:

Tiamulin is suitable for use in laying and breeding birds as it has been shown to have no adverse effects on egg production, fertility and hatchability in chickens.

Withdrawal period:

For meat : 03 (three) days. For egg : Nil (Zero)

Precaution:

Birds should not receive feed containing Narasin & Salinomycin during or for at least seven days before or after treatment with Stiagen-Vet[®] Powder. Severe growth depression or death may result. Concomitant use of tiamulin and the ionophore anticoccidial Maduramycin may lead to a mild to moderate growth depression in chickens. The situation is transient and recovery normally occurs within 3-5 days following withdrawal of THF.

Storage:

Protect from light. Store in a cool & dry place. Keep out of reach of children.

Pack size: 20 g & 50 g in sachet.