

Moxacil-Vet[®] Powder

Amoxicillin BP 30%

Composition:

Each 100 gm powder contains Amoxycillin Trihydrate BP 34.5 gm equivalent to 30 gm Amoxicillin.

Pharmacology:

Amoxycillin is a broad spectrum bactericidal antibiotic, belongs to the beta-lactum group. It is a semisynthetic penicillin. Penicillins bind with bacterial cell receptors (penicillin binding protein). Peptidoglycan synthesis is inhibited because transpeptidase is blocked. Inactivate the inhibitor of autolytic enzymes in the bacterial cell wall which cause lysis of the bacterium. Defective cell wall form that is osmotically unstable. Cell death usually results from lysis.

Indication:

Moxacil-Vet[®] Powder is indicated in wide range of infections of respiratory tract, GI tract, Urinary tract etc.

Specific Indication for Poultry: Enteritis due to E. coli & Clostridial infections & infection caused by Staphylococci, Streptococci, Corynebacterium, Clostridium, Fusiformis spp. E. coli, Klebsiella, Shigella, Salmonella, Proteus, Brucella & Pasteurella & secondary infections following viral & mycoplasmal infections.

Specific Indication for Animal: Gastroenteritis, Bronchopneumonia, Umbilical infection, Polyarthrits, Pasteurellosis, Salmonellosis, Stomatitis, Pharyngitis, Urinary tract infections, secondary infections following viral infections.

Benefits:

- Broad spectrum bactericidal antibiotic.
- Rapid absorption from GIT (80%) which ensures better activity.
- Bioavailability is high which ensures quicker action.
- No interference with food.
- Reaches high therapeutic concentration in the blood rapidly.
- Stable in gastric juice.
- Very safe in veterinary use. LD50 for domestic animals is more than 20,000 mg/kg b.w.
- Less protein binding, insure higher rate of success & early recovery.

Dosage & Administration:

Poultry: 15-30 mg / kg b. wt. or, 1 gm / 3-5 litre drinking water for 5 days.

Calves: 25-45 mg / kg b.wt. for 5 days.

Dogs & Cats: 30-60 mg / kg b. wt. for 5 days.

Dosage interval: 12 hours.

Contraindication & Precaution:

Moxacil-Vet[®] Powder is contraindicated in penicillin hyper sensitive animals. It should not be administered to small herbivores such as rabbits, guinea pigs etc. In renal impairment the excretion of the antibiotic will be delayed and depending on the degree of impairment it may be necessary to reduce the daily dose.

Side Effect:

Side effects are rare, mild & infrequent. As with other penicillin, it may include diarrhoea, indigestion or skin rashes, which usually stop during treatment & rarely calls for discontinuation of therapy.

Withdrawal Period:

Calves – 4 days, Broiler – 3 days, Layer – 10 days.

Storage Condition:

Store in a cool & dry place, out of reach of children. Protect from light and moisture.

Pack Size:

100 gm & 500 gm container.