

# Cotrim-Vet<sup>®</sup> Suspension

Sulphamethoxazole BP & Trimethoprim BP

## **Composition:**

Each 5 ml Cotrim-Vet<sup>®</sup> suspension contains Sulphamethoxazole BP 500 mg & Trimethoprim BP 100 mg.

## **Pharmacology:**

PABA (Para amino benzoic acid) is essential for bacterial growth & multiplication (synthesized by bacteria & supplied from environment). By different enzymatic process PABA is converted into Dihydrofolic acid at first & then Tetrahydrofolic acid. Tetrahydrofolic acid acts as a co-factor for single carbon metabolism & Nucleic acid synthesis. But due to structural similarity of PABA with Sulfonamides Dihydropteridin (essential for dihydrofolic acid synthesis) mistakenly combined with Sulfonamides instead of PABA. As a result Dihydrofolic acid synthesis is prevented. On the other side Trimethoprim prevents the formation of Tetrahydrofolic acid from Dihydrofolic acid. As a result bacterial DNA synthesis is prevented & bacteria are destroyed.

## **Indication:**

Poultry: Mycoplasmosis, Colibacillosis, Salmonellosis (Pullorum, Fowl typhoid), Fowl cholera, Gastroenteritis, CRD, Actinomycosis, Actinobacillosis, Coccidiosis, Infectious polyarthritis, Toxoplasmosis etc.

## **Dosage & Administration:**

### Poultry:

Treatment: 1 ml suspension / 1.5 Litre of drinking water for 4-6 days (minimum 15 mg. per Kg body weight).

Prevention: 1 ml suspension / 3 Litre of drinking water for 3 days.

### Calf:

10 ml suspension / 50 kg b. wt. daily for 5 - 7 days.

## **Contraindication & Precaution:**

Should not be used for the animal hypersensitive to active ingredients.

Adequate fluid intake should be ensured during therapy. And Shake the content before use.

To be dispensed only by or on the prescription of a registered Veterinary doctor.

## **Side Effect:**

It has no side effect at recommended dose. But prolonged treatment may cause hematological disorder & skin diseases.

## **Storage Condition:**

Store in a cool & dry place, out of reach of children.

Protect from light and moisture and keep away from feed.

## **How Supplied:**

60 ml and 500 ml bottle.