

## **Bloat X Suspension**

### **Composition**



Each 5 ml contains

Simethicone	50 mg.
(As Simethicone emulsion USP)	
Dil Oil BP	25 mg.
Excipients	q.s.

### **Description**

Simethicone is an anti-gas (anti-flatulence) medication. It acts in the stomach and intestines to change the surface tension of gas bubbles, enabling their breakdown and the formation of larger bubbles. In this way it is believed that gas can be eliminated more easily by belching or passing flatus. Simethicone was approved by the FDA in 1952.

### **Indications**

- Bloat of all kinds, including frothy bloat.
- Bloat free acts rapidly and works as an emergency drug in cases of serious bloat, Tympany & tympanites.

### **Administration & Dosage**

#### **Oral**

Cattle & Buffaloes: 100 ml (Twice a day)

Sheep & Goats : 20 ml (Twice a day)

Administer by drenching or with the help of stomach tube

#### **Intra-ruminal**

Cattle and Buffaloes :100 ml

Sheep and Goats : 20 ml

Administered into the rumen through the left paralumbar fossa by using cannula or a long needle.



**Safeconlifesciences**

**New Arrivals**

### **Storage & Warning**

Keep closed in a cool and dry place, away from sunlight and safe from children.

### **Packing**

Available in 100 ml pack size.

## **Safemec 3.15% LA Injection**

### **Composition**



Each ml contains

Ivermectin I.P. (Vet)

31.5 mg.

Benzyl Alcohol I.P.

3 % w/v.

Long Acting Vehicles

Q.S.

**A Parasiticide for the Treatment & Control of Internal & External Parasites of Cattle & Swine.**

**Spectrum** - Its spectrum includes: *Haemonchus* spp., *Ostertagia* spp., *Trichostrongylus* spp., *Cooperia* spp., *Oesophagostomum* spp., *Dyctiocaulus viviparus*, *Dermatobia hominis*, *Psoroptes* sp, *Sarcoptes* sp., *Boophilus microplus*, among many other internal and external parasites.



## Mode of Action

Ivermectin is a member of the macrocyclic lactone class of endectocides which have a unique mode of action. Compounds of the class bind selectively and with high affinity to glutamate-gated chloride ion channels which occur in invertebrate nerve & muscle cells. This leads to an increase in the permeability of the cell membrane to chloride ions with hyperpolarization of the nerve or muscle cell, resulting in paralysis and death of the parasite. Compounds of this class may also interact with other ligand-gated chloride channels, such as those gated by the neurotransmitter gamma-aminobutyric acid (GABA).

The margin of safety for compounds of this class is attributable to the fact that mammals do not have glutamate-gated chloride channels, the macrocyclic lactones have a low affinity for other mammalian ligand-gated chloride channels and they do not readily cross the blood-brain barrier.

**Ivermectin Injection** is for the treatment & control of gastrointestinal roundworms, lungworms, grubs, screwworms, fly larvae, lice, ticks and mites in cattle sheep, goats & camels.

## Indications

1. In cattle: gastrointestinal roundworms, lung worms, cattle grubs, screw-worm fly larvae, sucking lice, mange mites.
2. In sheep & goat: gastrointestinal roundworms, lung worms, nasal bots, mange mites.
3. In camels: gastrointestinal roundworms, mange mites
4. In Poultry: Biting lice and mites.

## Dosage & Administration

The dose is 630 micrograms/kg body wt, which in practice is equivalent to 1 ml/50 kg body wt.

*For SC use.*

## Storage & Warning

Keep closed in a cool and dry place, away from sunlight and safe from children.

## Packing

Available in 10 ml pack size.

## Safaphos-M Injection

### Composition



Each ml contains

Sodium Acid Phosphate IP

400 mg.

Methylcobalamin

100 mcg.

Water for injection IP

Q.S.

### CLINICAL PHARMACOLOGY

Phosphorus in the form of organic and inorganic phosphate has a variety of important biochemical functions in the body and is involved in many significant metabolic and enzyme reactions in almost all organs and tissues. It exerts a modifying influence on the steady state of calcium levels, a buffering effect on acid-base equilibrium and a primary role in the renal excretion of hydrogen ion. Phosphorus is present in plasma and other extracellular fluid, in cell membranes and intracellular fluid, as well as in collagen and bone. Phosphorus in the extracellular fluid is primarily in inorganic form, and plasma levels may vary somewhat with age. The ratio of disodium phosphate and monosodium phosphate in the extracellular fluid is 4:1 (80%:20%) at the normal pH of 7.4. This buffer ratio varies with the pH, but owing to its relatively low concentration, it contributes little to the buffering capacity of the extracellular fluids. Phosphorus, present in large amounts in erythrocytes and other tissue cells, plays a significant intracellular role in the synthesis of high energy organic phosphates.

Methylcobalamin is the most potent form of Vitamin B12 found in nature. It is required for the healthy development and sustenance of our circulatory, immune and nervous systems. Methylcobalamin is the only active form of Vitamin B-12 in the brain outside the mitochondrion. The liver must convert cyanocobalamin to methylcobalamin in order for Vitamin B-12 to do its biochemical work in the brain. When the complex conversion of cyanocobalamin is not completed, the brain is robbed of the benefits of methylcobalamin.



## INDICATIONS

It is indicated for Infertility cases such as

- Under developed Genitalia, Delayed maturity ,
- Anoestrus and maintenance of pregnancy.
- To maintain steady & higher milk production

It is very effective to treat metabolic disorders such as:

- Post parturient Haemoglobinuria ,
- Hypophosphataemia ,
- Ketosis & Milk Fever.

## Dosage

### Large Animals:

5 -10 ml daily for alternate days.

### Small Animals:

2- 5 ml daily Dose can be adjusted according to the phosphorus need of the animal. It is advisable to administer half the dose by s/c route in several places.

*For Intramuscular /Intravenous use.*

## Storage & Warning

Keep closed in a cool and dry place, away from sunlight and safe from children.

## Packing

Available in 30 ml pack size.

## **Spascon Injection**



### **Composition**

Each ml contains

Nimesulide B.P.	100 mg.
Pitofenone Hydrochloride	2 mg.
Fenpiverinium Bromide	0.02 mg.
Benzyl Alcohol I.P.	4 % v/v
Water of injection	q.s.

### **Description**

Sapscon injection contains pitefenone, fenpiverinium & nimesulide which acts by powerful muscle relaxant action, controls smooth muscles contractions & potentiates the action of antispasmodic drugs and provides the relief from pain and fever respectively.

### **Indications**

Weak or moderate pain syndrome with spasm of smooth muscles of internal organs - renal and hepatic colic, spastic nature of the pain along the intestine, oligomenorrhea. Can be used for short-term symptomatic treatment for pain in the joints, neuralgia, ischialgia, myalgia. As an auxiliary tool can be used to reduce pain after surgical and diagnostic interventions. If necessary, the drug can be used to reduce elevated body temperature during cold and infectious and inflammatory diseases.

### **Dosage**

As per directed by veterinarian.

### **Administration**

IM use only

### **Storage & Warning**

Keep closed in a cool and dry place, away from sunlight and safe from children.

### **Packing**

Available in 30 ml pack size.

## Composition



Isoflupredone acetate USP	2 mg
Water for injection IP	1 ml.

Isosafe is adrenocorticoid enter to cytoplasm and joint to special receptors, the complex enter to cell nucleus and joint to DNA, stimulate to make mRNA and proteins. Glucocorticoid inhibits macrophage response to migration inhibiting factor, sensitization of lymphocytes and cellular response to mediators of inflammation.

## Indications

## Dosage

In initiate treat a high dose Glucocorticoid, has more effect than low dose with repeat in treatment

10 – 20 mg I.M, according to the size of the animal and severity of the condition. The dose may be repeated in 24 hours as necessary.

### **Horses**

5 – 20 mg I.M. repeated as necessary. `Intrasynovial injection in synovitis is 5 – 20 mg according to size of local.

### **Contra-indications**

- Should not be use in human.
- When it use in the third months last of pregnancy, induce first signs of parturition, death fetus, inflammation of urinary.

### **Withdrawal Time**

Meat: 5 days

Milk: 3 days

### **Storage & Warning**

Keep closed in a cool and dry place, away from sunlight and safe from children.

### **Packing**

Available in 10 ml pack size.

## **Fluxicon Injection**



### **Composition**

Each ml contains

Flunixin meglumine	83 mg.
equivalent to flunixin	50 mg.
Water for injection I.P.	q.s.





## Description

Flunixin meglumine is a potent non-narcotic, non-steroidal, analgesic agent with anti-inflammatory & antipyretic activity. It is significantly more potent than pentazocine, meperidine, & codeine as an analgesic in the rat yeast paw test.

## Indications

### Horse

Alleviation of inflammation and pain associated with musculoskeletal disorders, & alleviation of visceral pain associate with colic.

### Cattle

Control of pyrexia associated with bovine respiratory disease, endotoxaemia & bovine mastitis, as well as control of inflammation in endotoxaemia.

## Contra indications

There are no known contraindications to this drug in swine when used as directed. Do not use in animals showing hypersensitivity to flunixin meglumine. Use judiciously when renal impairment or gastric ulceration is suspected.

## Dosage

### Horse

The recommended dose for musculoskeletal disorders is 0.5 mg per pound (1 mL/100 lbs) of body weight once daily. Treatment may be given by intravenous or intramuscular injection & repeated for up to 5 days.

The recommended dose for the alleviation of pain associated with equine colic is 0.5 mg per pound of body weight. Intravenous administration is recommended for prompt relief.

### Cattle

The recommended dose for control of pyrexia associated with bovine respiratory disease & endotoxemia & control of inflammation in endotoxemia, is 1.1 to 2.2 mg/kg (0.5 to 1 mg/lb; 1 to 2 mL per 100 lbs) of body weight given by slow intravenous administration either once a day as a single dose or divided into two doses administered at 12-hour intervals for up to 3 days. The total daily dose should not exceed 2.2 mg/kg (1.0 mg/lb) of body weight. Avoid rapid intravenous administration of the drug.

The recommended dose for acute bovine mastitis is 2.2 mg/kg (1mg/lb; 2 ml/100lbs) of body weight given once by intravenous administration.

## Storage & Warning

Keep closed in a cool and dry place, away from sunlight and safe from children.

**Packing :** Available in 20ml pack size.

## **Cefcon-S 3 gm & 4.5 gm Injection**



### **Composition**

Each ml contains

Ceftriaxone sodium

Eq. to ceftriaxone

2 gm & 3 gm

Sulbactam Sodium USP

Eq. to sulbactam

1 gm & 1.5 gm

### **Description**

Cefcon-S contains ceftriaxone is a third-generation cephalosporin antibiotic. Like other third-generation cephalosporins, it has broad spectrum activity against Gram-positive and Gram-negative bacteria & Sulbactam is beta lactamase Inhibitor.

### **Indications**

For treatment of E-Coli & Acute Mastitis & other Bacterial infections

Broad Spectrum Antibiotic for Sheep, Goat, and small animals

### **Dosage**

Cattle-7-10 mg/kg body weight

Sheep & goat-10-15mg/Kg

Dog & cat-15-25mg/Kg

Or as per recommended by the Veterinarian

### **Administration**

I/M or I/V injection

### **Storage & Warning**

Keep closed in a cool and dry place, away from sunlight and safe from children.

### **Packing**

Available in 3 gm & 4.5 gm.

## **Safeoxi LA Injection**



### **Composition**

Each ml. contains

Oxytetracycline Dihydrate

Eq. to oxytetracycline B.P.

in 2 pyrodil vehicle system

Long acting excipients

200 mg.

q.s.

Safeoxi LA injection contains oxytetracycline which belongs to the group of tetracyclines and acts bacteriostatic against many Gram-positive and Gram-negative bacteria like *Bordetella*, *Campylobacter*, *Chlamydia*, *E. coli*, *Haemophilus*, *Mycoplasma*, *Pasteurella*, *Rickettsia*, *Salmonella*, *Staphylococcus* and *Streptococcus* spp. The action of oxytetracycline is based on inhibition of bacterial protein synthesis. Oxytetracycline is mainly excreted in urine, for a small part in bile and in lactating animals in milk. One injection acts for two days.

### **Indications**

Arthritis, gastrointestinal and respiratory infections caused by oxytetracycline sensitive micro-organisms, like *Bordetella*, *Campylobacter*, *Chlamydia*, *E. coli*, *Haemophilus*, *Mycoplasma*, *Pasteurella*, *Rickettsia*, *Salmonella*, *Staphylococcus* and *Streptococcus* spp., in calves, cattle, goats, sheep and swine.

### **Uses**

Safeoxi LA injection is intended for use in the treatment of the following diseases in beef cattle; dairy cattle; calves, including preruminating (veal) calves; and swine when due to oxytetracycline-susceptible organisms:

#### **Cattle**

Safeoxi LA injection is indicated in the treatment of pneumonia and shipping fever complex associated with *Pasteurella* spp. and *Haemophilus* spp.; infectious bovine keratoconjunctivitis (pink eye) caused by *Moraxella bovis*; foot rot and diphtheria caused by *Fusobacterium necrophorum*; bacterial enteritis (scours) caused by *Escherichia coli*; wooden tongue caused by *Actinobacillus lignieresii*; leptospirosis caused by *Leptospira pomona*; and wound infections and acute metritis caused by strains of staphylococci and streptococci organisms sensitive to oxytetracycline.

#### **Swine**

Safeoxi LA injection is indicated in the treatment of bacterial enteritis (scours, colibacillosis) caused by *Escherichia coli*; pneumonia caused by *Pasteurella multocida*; and leptospirosis caused by *Leptospira pomona*.

In sows, Safeoxi LA injection is indicated as an aid in the control of infectious enteritis (baby pig scours, colibacillosis) in suckling pigs caused by *Escherichia coli*.



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**Contra indications**

- Hypersensitivity to tetracyclines.
- Administration to animals with a serious impaired renal and/or liver function.
- Concurrent administration with penicillines, cephalosporines, quinolones & cycloserine.

**Dosage**

For intramuscular or subcutaneous administration:

General : 1 ml. per 10 kg. body weight

**Withdrawal times**

- For meat : 28 days.
- For milk : 7 days.

**Storage & Warning**

Keep closed in a cool and dry place, away from sunlight and safe from children.

**Packing**

Available in 100 ml pack size.