

# HEMOPLEX

Q-0209-040



## Injectable solution

Haematinics complex and general tonic



### Formula

| Each 100 ml contain |        |
|---------------------|--------|
| Sodium Cacodylate   | 3 g    |
| Ferric Citrate      | 2 g    |
| Cobalt acetate      | 50 mg  |
| Copper Sulphate     | 50 mg  |
| Magnese chloride    | 5 mg   |
| Vitamin B12         | 50 mcg |
| Excipient.          | 100 ml |

### Uso en especies



Cattle



Equine



Ovine



Caprine



Canine



Porcine



Feline

## INDICATIONS AND USES

Hemoplex is indicated for the treatment of deficiency-type anemia, anemia due to the rapid destruction of red blood cells, hemorrhages, nutritional deficiencies, exhaustion and weakness due to infectious or parasitic diseases.

### CLINICAL PHARMACOLOGY:

#### • SODIUM CACODYLATE:

It is an arsenic salt that stimulates metabolism, stimulates appetite and has an effect that favors the growth of animals.

#### • FERRIC AMMONIUM CITRATE:

The corporal (Fe) is found 60 to 70 % in the hemoglobin of red blood cells and in myoglobin in the muscles as well as in the hemoenzymes, cytochromes, catalases and peroxidases as heme group.

#### • COBALT ACETATE:

It is a constituent of vitamin B12, it can stimulate the production of red blood cells (polycythemia). Clearly, the production mechanism is by anoxia, possibly by compounds that combine with the SH group, and the erythrocyte synthesis is a compensatory response.

#### • VITAMIN B (CYANOCOBALAMIN):

unctions as a 12

coenzyme in several important enzyme systems, is also involved in thyroid function in myelination of the sciatic nerve and spinal cord, prevents the onset of megaloblastic anemia.

#### • COPPER SULFATE (PENTAHYDRATE):

90% of Cu in the blood is combined with alfa 2-globulin, ceruloplasmin, and 10% in erythrocytes as eritrocuprein, the Cu is necessary for the activity of enzymes related to Fe metabolism, the formation of elastin and collagen, melanin production and integrity of the central nervous system, it is needed for the normal formation of erythrocytes (hematopoiesis), is required for normal bone formation, and needed for normal pigmentation of hair and wool.

# HEMOPLEX

Q-0209-040



- **MANGANESE CHLORIDE (TETRAHYDRATE):**

It is essential for normal bone formation, intervenes in the metabolism of carbohydrates and lipids, is involved in egg shell thickness, in the male, Mn deficiency causes loss of sexual desire and impairment of spermatogenesis.

- **DRUG KINETIC:**

HEMOPLEX is rapidly absorbed into the application site, and travels through the bloodstream bound to albumin plasma, and therefore has a good distribution in all tissues, mainly in the liver, bone marrow for the formation of red blood cells, spleen, muscles, brain, heart, eye, hair, wool, pancreas, skin, thyroid, and CNS. It has a hepatic metabolism and is excreted in bile, urine and feces.

- **PHARMACODYNAMICS**

Hemoplex intervenes in the metabolism of the formation of red blood cells, muscle myoglobin, elastin, collagen, bone formation, cartilage and myelin, improves egg production of poultry, improves shell thickness and strength and the ability to incubate the birds.

## DOSAGE:

| Animal                        | Dosis                   |
|-------------------------------|-------------------------|
| Bovines and equines           | 10 to 20 ml per animal. |
| Calves and foals:             | 5 to 10 ml per animal   |
| Porcines, caprines and ovines | 5 ml                    |
| Dogs and cats                 | 1 ml for each 5 kg      |

In larger species, the full treatment consists of a series of 5 applications, one every third day. In severe cases the animal should be injected daily to complete the series.

**ROUTE OF ADMINISTRATION:** INTRAMUSCULAR, SUBCUTANEOUSLY AND INTRAVENOUSLY.

## WARNING

In case of intravenous administration, it is recommended to apply slowly, mainly in the equines.

This product should not be used 5 days before slaughter of animals intended for human consumption.

The milk of treated animals should not be used for human consumption or elaboration of derivatives, until 5 days after the last treatment.

Do not administer this product in equines for human consumption.

Do not administer more than 10 mL in the same application site in intramuscular and subcutaneous routes.

Keep out of the reach of children, and domestic animals.

Product for exclusive use in veterinarian medicine.

Sold by prescription only.

## PRESENTATIONS

10, 50, 100 and 250 ml.