

120x185mm

# Pronil

For Veterinary Use Only

## INJECTION

### COMPOSITION:

Each ml contains

Diminazene aceturate (MS).....105mg

Antipyrine (USP).....131mg

### INDICATIONS:

Pronil injection is the combination of diminazene which acts as anti – trypanosomiasis agent and antipyrine which as analgesic, antipyretic agent. The combination provides effective treatment against Trypanosomes and babesia in horses and dogs.

Diminazene is a diamidine derivative which gives a high trypanocidal effect against *T.vivax*, *T-congolense*, *T-brucei*. Its spectrum is wide due to which is equally effective against Babesia like *B-canis* and Piroplasma also.

Antipyrine a pyrazolone derivative has powerful analgesic, antipyretic and anti-inflammatory action. It is of great value as adjunct to primary therapy, septic or endotoxic shock describes the spectrum of changes found in an animal suffering trypanosomiasis.

**Trypanosomiasis** caused by *Trypanosoma congolense*, *T. vivax*, *T. brucei* and *Trypanosoma evansi*.

**Piroplasmiasis** caused by *B. canis*.

**Theileriosis** caused by *Theileria annulata*.

### PHARMACOKINETICS:

The pharmacokinetics studies of diminazene aceturate showed a large inter-individual variations after intramuscular administration. It has a short absorption half-life 5-6 hours. After quick absorption diminazene aceturate quickly sequestered into liver, followed by a slow terminal phase

during which diminazene is both redistributed to peripheral tissues and/or excreted through renal route.

### PHARMACODYNAMICS:

Diminazene aceturate interfere with glycolytic pathway of parasite and binds with complementary DNA strands of protozoa. The binding with the DNA strands disturbs the helical structure of DNA and blocks DNA replication of protozoa. Diminazeneaceturate also interfere with the glycolytic pathways of parasite.

Antipyrine acts on the CNS to inhibit the synthesis of cyclooxygenases and prostaglandins to struggle against inflammation, pain and fever.

### DOSAGE AND ADMINISTRATION:

Pronil injection is recommended for I/M only.

Normal dose is 0.3ml per 10kg of body weight (As 3.5mg per Kg body weight)

**Horses:** 10ml per 300kg body weight.

**Dog:** 0.3ml per 10kg body weight.

### NOTE:

In case of *Trypanosoma brucei*, the dose must be doubled.

In cases of Surra, if required the dose may be repeated on third day.

### PRECAUTIONS:

In case of large volume to be injected, divide the dose into two separate sites. Store below 25°C in a cool and dry place.

Keep out of the reach of children.

### WITHDRAWAL TIME:

Nil.



Manufactured by:

**Selmore**  
Pharmaceuticals (Pvt) Ltd.  
36-Km Multan Road, Lahore Pakistan.



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