

## **KETAMINE 10% inj.**

### **Composition:**

Each ml solution contains: 100 mg Ketamine base (as HCl)

### **Action:**

Ketamine produces dissociative anaesthesia characterised by catalepsy, amnesia, and marked analgesia which may persist in the recovery period. There is often an increase in muscle tone and the patient eyes may remain open for all part of the period of anaesthesia. Ketamine produces anaesthesia within 3 to 4 minutes lasting for 12 to 25 minutes. Recovery period is 30 to 60 minutes.

### **Indication:**

Ketamine is used for anaesthesia for diagnostic or short surgical operations, for the induction of anaesthesia to be maintained with other agents, and as supplementary anaesthetic for use with nitrous oxide and oxygen.

### **Contraindication:**

Ketamine is contraindicated in patients with hypertension, convulsive disorders, glaucoma, liver insufficiency (dog) and kidney insufficiency (cat).

### **Interactions:**

Neuroleptics, tranquilizers and chloramphenicol extend anaesthesia.

### **Adverse effects:**

Emergence reactions are common from Ketamine anaesthesia and include increased muscle tone, secretion of saliva, nystagmus, mydriasis and tachycardia.

Blood pressure and heart rate may be temporarily increased by Ketamine but hypotension, arrhythmias and bradycardia have occurred rarely.

### **Dosage:**

Cat:	20-30 mg/kg body weight i.m. or 15 mg Ketamine + 1-2 mg Xylazine per kg body weight
Dog:	20-30 mg/kg body weight i.m. or 8-10 mg Ketamine + 1-2 mg Xylazine per kg body weight
Mouse:	125-200 mg/kg body weight (intra peritoneal)
Rat:	80-125 mg/kg body weight (intra peritoneal)
Guinea pig:	100-125 mg/kg body weight i.m. or 100 mg Ketamine + 2-4 mg Xylazine per kg body weight
Rabbit:	75-100 mg/kg body weight i.m. or 15-25 mg Ketamine + 3-5 mg Xylazine per kg body weight

### **Administration:**

Ketamine should be administered by subcutaneous, intramuscular or intravenous injection using normal aseptic techniques.

### **Storage:**

Cool (+4 / +15°C) and protected from light

### **For animal treatment only**

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