

PENTOBARBITONE SODIUM ANAESTHETIC INJECTION

Active Constituent:

PENTOBARBITONE SODIUM 60mg/mL For general anaesthesia or sedation in dogs and cats.

Indications:

Specific indications for pentobarbitone are now limited to deep sedation in convulsing dogs (and to a lesser extent in cats), to situations where long periods of deep sedation are required (usually intensive care and research) and as part of balanced anaesthetic techniques where cardiovascular stability is paramount.

Contraindications:

Severe renal or hepatic disease. Caesarean section; the product crosses the placental barrier and causes severe CNS depression in the newborn animal.

Precautions:

Inject slowly over 5-10 minutes; pause frequently to observe the animal. Brachycephalic animals, especially dogs may have difficulty in breathing when under anaesthesia; use only for light anaesthesia in these animals. Intubation is recommended. Oxygen should be available. Keep the animal's head low to prevent possible regurgitation or choking. Premedication will generally reduce the dose of Pentobarbitone Sodium Anaesthetic Injection required. Severely ill animals, or those suffering with anaemia or in poor condition, should receive substantially lower doses. In common with nearly all injectable anaesthetics, pentobarbitone causes respiratory depression at anaesthetic doses.

It would be considered negligent these days to give any injectable induction anaesthetic drug without having facilities available for endotracheal intubation and intermittent positive pressure ventilation (IPPV). In common with other injectable anaesthetics, lower doses are needed in sick animals: failure to take this into account can lead to overdose. Pentobarbitone is

a poor analgesic, and may even be hyperalgesic in low doses. Most of the problems with pentobarbitone anaesthesia are caused by a failure to recognise this and overdosing while attempting to achieve surgical anaesthesia. After iv injection of 15 - 20 (- 30) mg/kg to dogs and cats, peak anaesthesia is reached at about five minutes. The anaesthesia lasts about 30 minutes and recovery can be very slow (up to 8 hours in most dogs, 2 days in greyhounds and 3 days in cats).

Adverse Reactions:

Narcotic excitement can occur during induction recovery, particularly if the animal is stimulated. Greyhound and other dogs of a similar body type (low percentage of body fat) will often show a markedly prolonged time of anaesthesia, and use should be attended with caution in these breeds.

Dosage and Administration:

Use contents within 180 days of first broaching vial. Discard unused product.

Dogs and cats: As a sedative 2 - 4 mg/kg IV As part of a balanced anaesthetic technique: After iv injection of 15 - 20 (- 30) mg/kg to dogs and cats, peak anaesthesia is reached at about five minutes.

The anaesthesia lasts about 30 minutes and recovery can be very slow, 2 days in greyhounds and 3 days in cats. When used as part of a balanced anaesthetic technique, much smaller doses are required, usually in the order of 1 - 3mg/kg, although there is great individual variation and the drug should be given to effect. NOTE: Individual animals may vary in tolerance. Intraperitoneal administration can be used in emergency or where it is impossible to enter the vein, but this method is less satisfactory.

Presentation:

Injection (multidose vial): 100mL glass 100mL plastic.

Pentobarbitone Sodium Anaesthetic Injection (cont)

Storage:

Store below 30°C (room temperature)

Disposal:

Dispose of empty syringe by wrapping with paper and placing in garbage.

Registered pursuant to the ACVM Act 1997,
No A10049

RESTRICTED VETERINARY MEDICINE

Pentobarbitone Sodium Anaesthetic Injection
For Animal Treatment Only



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