

100 x 170 mm

For the Use of a Registered Medical Practitioner, Hospital or a Laboratory Only.

THIOPENTAL

SODIUM FOR INJECTION USP

1g / vial

COMPOSITION :

Each vial contains :

Thiopental Sodium Sterile USP 1g

Contains Anhydrous Sodium Carbonate as a buffer.

CATEGORY : Intravenous barbiturate; general anaesthetic.

GENERAL INFORMATION : It is a very short acting barbiturate which on I.V. administration quickly induces anaesthesia and hypnosis. It does not cause analgesia. The anaesthesia is induced rapidly, without excitement and pleasantly. It is a weak muscle relaxant, irritation of respiratory passages does not occur. Hypotension occurs after administration but recovery occurs rapidly. Cardiac muscle is not sensitized to adrenaline. Extravasation of thiopentone or inadvertent intra-arterial injection leads to intense pain and necrosis.

PHARMACOKINETIC :

After administration it is distributed initially in organs which are highly vascular e.g. Brain. Subsequently the termination of its effect depends upon redistribution of drug from brain to fatty tissues and other tissues.

On Set of Action : I.V. within 1 minute.

Duration of Action : 20-30 minutes.

INDICATIONS : Anaesthesia of short duration, status epilepticus. Rapid control of convulsions. Infusion of subanaesthetic doses can be used to facilitate verbal communication with psychiatric patients.

DOSAGE AND ADMINISTRATION :

This drug should be administered only by persons qualified in the use of intravenous anaesthesia.

Preferable by Anaesthesiologist.

Adults : Inject I.V. (3-5mg/kg) as a 2.5% solution. It produce unconsciousness in 15-30 seconds.

initially, 100 to 500 mg, repeated if necessary after 20 to 30 seconds; maximum dose 2 g.

Other Features are: Can be given per rectal, may be used to control convulsions, may cause respiratory depressions, may cause hypotension, shows slug effect.

CONTRAINDICATIONS : Hypersensitivity, hypotension, status asthmaticus, hepatic dysfunction, Addison's disease, myxoedema, acute intermittent porphyria and severe cardiovascular disease.

ADVERSE EFFECTS : Hypotension, hiccups, apnoea for short period, nausea, vomiting. The use of other non-compatible drugs during anaesthesia or in conjunction with anaesthesia can be fatal.

SPECIAL PRECAUTIONS : Thiopental should not be mixed with Succinylcholine in the same syringe. Do not use other non-compatible drugs during anaesthesia or in conjunction with anaesthesia.

Pregnancy : Caution, use only when clearly indicated.

Breast feeding : Use with caution.

INTERACTIONS : Narcotics: Those of phenobarbitone required to induce anaesthesia reduced.
Phenothiazines: Increased frequency and severity of neuromuscular excitation and hypotension.

STORAGE : Store below 25°C. Protect from moisture.

Keep out of the reach of children.

PRESENTATION : One vial packed in a printed carton.

Manufactured by:

KWALITY PHARMACEUTICALS LTD.

Nag Kalan, Majitha Road, Amritsar - INDIA