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| Drug name | Category | Use | MOA | Dose | Method of administration | Side Effects | Withdrawal times | Precautions |
| Thiopental/ T iopental 1g  | Ultra Short acting thiobarbituateGeneral anaesthesia | Anesthesia induction/ anesthesia for short procedures | Lipid soluble so rapidly enter CNS produce profound hypnosis and anesthesia  | **Cattle:** 8.14-15.4mg/kg IV **Horses:** 6-12 mg/kg IV slowly**Swine:** 5.5 -11 mg/kg IV**Sheep:** 9.9 to 15 mg/kg IV**Goats:** 20 to 22 mg/kg IV | IV  | **Horses:** excitement and severe ataxia,transient leukopenia,hyperglycemia,apnea,moderate tachycardia,mild respiratory acidosisIntracarotid injections can cause CNS toxicity and tissue damage.**Dogs:** ventricular bigeminyCats: apnea |  | Avoid extravasation, intracarotid and intra-arterial injectionsAvoid too rapid IV administration;can cause vascular dilation and hypoglycemia |