

120x185mm

PREGTONE INJECTION



For Veterinary Use Only

COMPOSITION:

Each ml contains
Progesterone.....25mg

INDICATIONS:

PREGTONE injection is indicated for the reproductive problems like habitual abortion, repeat breeders, luteal deficiency, prolapse of uterus, induction of estrus and infertility due to progesterone deficiency.

PREGTONE injection is also helpful in the suppression of estrous and heat in cow, ewe, mare and bitch by producing artificial luteal phase.

PHARMACODYNAMICS:

Progesterone causes growth of glandular system of endometrium for the nutrition of ovum and attachment of embryo in the uterus. Progesterone assists and maintains pregnancy by providing a favorable environment for survival of the embryo. It also enhances the growth of alveolar system of mammary glands. Progesterone inhibits the smooth muscle activity of uterus and renders it less sensitive to oxytocin. High levels of progesterone inhibit the secretion of FSH and LH via negative feedback mechanism.

PHARMACOKINETICS:

Pharmacokinetic studies with the commercial products at the recommended dosages show that after intravenous, intramuscular or intravaginal treatment of cattle, the plasma progesterone concentrations are elevated only within the first few hours after treatment, but never higher than the values observed under physiological conditions. Circulating progesterone is bound to proteins in blood. Metabolism of exogenous and endogenous progesterone takes place by reduction of the double bonds and hydroxylation at the C16 and C21 atoms. The metabolites are conjugated to sulphates and glucuronides and excreted as such.

DOSAGE AND ADMINISTRATION:

Administer the following doses by intramuscular injection daily or alternate days.

Cattle/ Buffalo: 2- 4ml per 150-300kg bodyweight

Sheep/Goat: 1-2ml

Cat/Bitch: 0.1-0.4ml

WITHDRAWAL TIME:

Meat: 28 days, **Milk:** Nil.

PRECAUTIONS:

Store between 15-25°C in a cool and dry place. Keep out of the reach of children. Consult the veterinarian before use.

BP Vet. Specs.



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