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| Theriogenology |
| **Generic/Brand Name** | **Active Ingredient** | **Use** | **Dosage and Administration** | **Contraindications** | **Withdrawal Times (WDT)** | **Side Effects** |
| Fertiline | * Gonadorelin acetate 50 µg/mL
 | Aid in reproductive management in cattle and is used mainly for the treatment of cystic ovaries in the bovine | Administration: Intramuscular (IM)Dosage:Cattle- 100 µg per cow (2 mL of a solution containing 50 µg/mL). | No contraindications observed | No withdrawal period observed | - No side effects observed |
| Progesterone 5% | * Progesterone 50 mg
 | * Habitual abortion
* Threatened abortion.
* Nymphomania
* Sterility
* Mammary underdevelopment
* Oestrous control
 | Administration:Intramuscular (IM), Intravenous (IV), intravaginalDosage:Cattle and mares- 50 - 100 mg Sheep and goats- 10 - 15 mg Pigs- 15-25 mg | Contraindicated in:* Lactating dairy animals
 | No withdrawal period observed | * Overdose may cause cystic ovaries
* Mucopurulent vaginal discharge
* Vaginal inflammation
* Offensive odour from the vagina
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| Estradiol Cypionate (ECP) | * Estradiol cypionate 4mg/ml
 | * Correct anestrus in the absence of follicular cysts
* Persistent corpus luteum
* Expel purulent material from the uterus in pyometra of cows
* Stimulate uterine expulsion of retained placentas and mummified foetuses
 | Administration: Intramuscular (IM)Dosage:Cattle-* Anestrus: 3 - 5 mg
* Persistent corpus luteum: 4 mg
* Pyometra, retained placenta, mummified foetus: 10 mg
 | Contraindicated with the:* Presence of a desired pregnancy
 | No withdrawal period observed | * Prolonged estrus
* Precocious development
* Genital irritation
* Follicular cysts
* Reduction of milk flow
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|  |  | Mares- Anestrus: 5 - 10 mg |  |  |
|  |  | Ewes- Anestrus: 0.5 - 1 mg |  |  |
| Lutalyse injection | * Dinoprost tromethamine 5mg/ml
 | Cattle:* Estrus synchronisation
* Unobserved (silent) estrus in lactating dairy cows with corpus luteum
* Pyometra
* Abortion

Pigs:* Parturition induction
 | Administration: Intramuscular (IM)Dosage:Cattle- 25 mgPigs- 10 mgMares- 1 mg/44.5 kg | - Presence of desired pregnancy | No withdrawal period observed | * Limited salivation
* Erythema
* Pruritus
* Slight incoordination
* Nesting behaviour
* Urination
* Defecation
* Abdominal muscle spasms
* Tail movements
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|  |  | Mares:* Estrus synchronisation
* Clinically anestrous mares that have a corpus luteum
 |  |  |  | * Hyperpnea or dyspnea
* Increased vocalisation
* Sweating
* Decreased rectal temperature
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| Receptal®VET | * Buserelin acetate 0.004 mg/ml
 | Cattle:* Infertility linked to follicular cysts
* Improvement of conception rate following AI
* Estrus synchronisation in conjunction with prostaglandins

Mares:* Ovulation induction
* Estrus synchronisation
* Improvement of conception rate following AI
 | Administration:Preferred route- intramuscular (IM) Other routes- subcutaneous (SQ) and intravenous (IV)Dosage:Cattle* Follicular cysts: 20 µg
* Improvement of conception rate and estrus synchronisation: 10 µg

Mares* 40 µg
 | No contraindications observed | No withdrawal period observed | No side effects observed |