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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), intravaginal  Dosage:  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 |
| 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 |
|  |  | 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 mg  Pigs- 10 mg  Mares- 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 |
| 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 |