VETASTROL®  
(OESTRADIOL BENZOATE)

Drug Form: Oil Solution Injection  
Chemistry: estrogene  
Composition: Each ml of drug contains 2 mg oestradiol mono-benzoate

Action: Estrogens are necessary for the normal growth and development of the female sex organs and in some species contribute to the development and maintenance of secondary female sex characteristics. Estrogens cause secretions of the cervical mucosa, thickening of the vaginal mucosa, endometrial proliferation, and increase uterine tone.  
In high level prevent secretion milk and release GnRH and in low level stimulate growth follicles by release FSH.  
In male animal cause androgenic effect and decrease genital behavior.

Pharmacokinetics: estrogens are absorbed of skin, mucosal membrane, gastrointestinal pathway then movement to cell target with attach to special globulin.  
Elimination of the steroidal estrogens occurs principally by hepatic metabolism.  
Estrogens and their metabolites are primarily excreted in the urine, but are also excreted into the bile where most is reabsorbed from the GI.

Dosage Guide: it can used by IM or SC.  
Cattle:  
Decrease luteal function, induce estrus…. 5 mg with HCG  
Mummification, retained placenta…. 5- 10 mg, repeat 2-3 times in next week  
metrit, pyometra…. 20-25 mg with oxytocin (50 unit), repeat in next week

Mare:  
Mild estrus without ovulation…. 5- 10 mg  
Induce parturition…. 5 mg, 14-24 hours before oxytocin injection

Dog:  
Induce abortion…. 2-5 mg, repeat 2-5 days after breeding  
Infection urinary tract…. 1 mg for 3 days
**Sheep & Goat:**
Anestrus… 1.5 mg, repeat 2 day later
Mild estrus…. 0.5- 1 mg

**Male Dog and Cat:**
Anuse adenoma, Hypersexual, Hyperplasia prostate…. 1- 2 mg, repeat 1 month later (if necessary)

**Contra-indications:** in high level
Prolapses after parturition, abortion, decrease ovarian activity, ovarian cysts, and plastic anemia in dogs.

**Storage:**
Vetastrol products should be stored at room temperature (15-30 °C).

**Veterinary –Labeled products:**
Vetastrol Injection in 10 ml vials, one vial in a package.