

UTEPRIM

INTRAUTERINE SUSPENSION

For Veterinary Use Only

COMPOSITION:

Each 19gm syringe contains:

Cephapirin as benzathine.....500mg

INDICATIONS

Uteprim IU Suspension is indicated for the treatment of subacute and chronic endometritis in cows (at least 14 days after parturition) caused by bacteria sensitive to cephapirin.

DESCRIPTION

Cephapirin Benzathine is the benzathine salt form of cephapirin, a semisynthetic, broad-spectrum, first generation cephalosporin with antibacterial activity.

Cephapirin, a first generation cephalosporin, is a broad spectrum antibiotic with bactericidal action against gram-positive and gram-negative bacteria.

CONTRAINDICATIONS:

Not to be administered to animals which are known to be hypersensitive to cephalosporin antibiotics and other β -lactam antibiotics.

PHARMACOLOGY:

Cephapirin binds to and inactivates penicillin binding proteins (PBPs) located on the inner membrane of the bacterial cell wall. PBPs are enzymes involved in the terminal stages of assembling the bacterial cell wall and in reshaping the cell wall during growth and division. Inactivation of PBPs interferes with the cross-linkage of peptidoglycan chains necessary for bacterial cell wall strength and rigidity. This results in the weakening of the bacterial cell wall and causes cell lysis.

USE DURING PREGNANCY, LACTATION OR LAY

The product is not to be used during pregnancy but can be used during lactation.

PHARMACODYNAMIC PROPERTIES:

Cephapirin Benzathine is the benzathine salt form of cephapirin, a semisynthetic, broad-spectrum, first-generation cephalosporin with antibacterial activity. Cephapirin binds to and inactivates penicillin-binding proteins (PBPs) located on the inner membrane of the bacterial cell wall. PBPs are enzymes involved in the terminal stages of assembling the bacterial cell wall and in reshaping the cell wall during growth and division. Inactivation of PBPs interferes with the crosslinkage of

peptidoglycan chains necessary for bacterial cell wall strength and rigidity. This results in the weakening of the bacterial cell wall and causes cell lysis.

Pharmacokinetic particulars:

After intra-uterine treatment, absorption is low, which is reflected by the low plasma levels of cephapirin observed shortly after treatment. Twelve hours after treatment, cephapirin levels in plasma are below detectable levels. After intra-uterine administration of Uteprim, high cephapirin concentrations are observed in the endometrium (10.4 μ g/g at 8 hours after treatment). Endometrium concentrations can be observed up to 24 hours (0.81 μ g/g).

DOSAGE AND ADMINISTRATION:

Fix the syringe to the catheter. Take the cervix of the uterus into one gloved hand introduced into the rectum. Introduce the catheter through the cervix into the lumen of the uterus, by gentle oscillating movements of the cervix. Inject Uteprim.

PRECAUTIONS:

- This is disposable syringe; it cannot be reused.
- Consult the veterinarian before use.
- Keep out of the reach of children.
- Store between 15- 25°C in a cool and dry place.

WITHDRAWAL PERIOD:

Meat-24 hours / Milk-Zero hours

USP Specs



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Pharmaceuticals (Pvt) Ltd.

Manufactured by:
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ISO CERTIFIED COMPANY