

CEFTOCIDIN[®]

Endo



ACTION

CEFTOCIDIN Endo[®] is a topical antibiotic for the treatment of uterine infections (endometritis).

Pharmacokinetics and pharmacodynamics:

A) The main component, Cephalexin, is a broad-spectrum cephalosporin with the following key characteristics:

1. High bioavailability based on its high non-ionized fraction, elevated liposolubility, and low protein binding.
2. It is a highly effective bactericidal antibiotic (enhanced by synergy with Penicillin) against pathogens involved in endometritis: Streptococci (zooepidemicus and Equine), Arcanobacterium pyogenes, Bacillus, and other anaerobes, E. Coli, and enterobacteria in general (as uterine pathogens) frequently associated.
3. It is an antibiotic combination that does not readily develop resistance with sustained use and remains active in the presence of pus, blood, and detritus.

B) Procaine Penicillin: A highly effective antibiotic against Gram-positive bacteria, showing marked synergy with cephalexin (beta-beta), enabling the rapid elimination of the infection. (1,2,3).^(1,2,3)

(1) Pont-Lezica F.; Rivas C.; Frizzo, J.; de Erausquin G.A. González Alemán, G, Ladaga G.J.B Evaluación terapéutica extendida de una asociación cefalexina / penicilina en endometritis infecciosa equina; XVII Conferencia Internacional; AAVE; Bs. As.; ARGENTINA; 23,24 (nov 2006).
(2) Ladaga G, Pont Lezica F, Moras E, Barboni A , Erausquin G, Picos J Perna R.; Respuesta terapéutica de una asociación cefalexina / penicilina en endometritis subaguda y crónica del bovino; 4 tas Jornadas de Veterinaria; Colegio Vet Pcia. Bs. As.; Mar del Plata; ARGENTINA. (5 y 6 agosto 2005).
(3) Pont Lezica F, Ladaga G, Rivas C, Moras E, Barboni A, de Erausquin G, Picos J, Perna R; Respuesta terapéutica de una asociación cefalexina / penicilina en endometritis infecciosa equina. 4 tas Jornadas de Veterinaria; Colegio Vet Pcia. Bs. As.; Mar del Plata; ARGENTINA. (5 y 6 agosto 2005)

INDICATIONS

CEFTOCIDIN Endo[®] is indicated for endometrial infections in both cattle and horses caused by susceptible germs, specifically, subacute or chronic endometritis (repeating female due to infectious causes) with or without the appearance of secretions from the vulva. It should not be used in cases of acute metritis or endometritis with collection volumes greater than ½ liter (pus, blood, or placental remnants). In these cases, proper uterine evacuation, appropriate removal of the corpus luteum (via medication or gynecological means), and only then initiating the treatment are recommended.

COMPOSITION

Each sterile applicator contains:

Cephalexin (as monohydrate)_2 g.

Procaine Penicillin G_2 g.

Oil-based excipient_q.s._40 ml.

DOSAGE

Shake well before use.

The dosage for both cattle and horses is the same, applying one intrauterine injector, totaling 40 milliliters. Both the injector and intrauterine catheter are STERILE, so the following instructions must be followed: The injector should be shaken to ensure re-suspension by removing it from its packaging. Take the catheter and place it through the vaginal route, if possible without removing it from its packaging, guided by the professional through the rectum with the other hand (properly gloved), or through a vaginoscope. When the catheter reaches the cervix, pierce the packaging with the catheter's tip and gently thread the cervix to penetrate into the uterus.

Once placed, completely remove the packaging. Take the injector, uncover it, and fit the cone outside the extravaginal tip of the catheter. Empty the entire content of the injector, applying half in each horn if necessary. The treatment can be repeated after 24 hours if needed, at the discretion of the Veterinarian.

WARNING

The **CEFTOCIDIN Endo[®]** injector contains an excess that remains inside the cannula. Therefore, once applied, the entire assembly must be discarded as there is no leftover dose. Milk from treated cows should be discarded for up to 12 hours after the last application. The withdrawal period before sending the animals for slaughter is 10 days after the final treatment. Keep out of reach of children.



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COLATERAL EFFECTS

As a result of pharmacovigilance, cases of eosinophilic reactions in blood (relative values of 10) and some uterine infiltration, observed by ultrasound, have been identified in horses. In no case was the pregnancy compromised, as both the mare's gestation, foaling, and the foal's development progressed completely normally.

PRESENTATION

CEFTOCIDIN Endo[®] comes in a non-thermal box containing 1 sterile injector and 1 attached sterile intrauterine cannula.

Its sale requires a medical prescription.

Detailed technical information is available to the Veterinary Doctor.

WWW.LABORATORIOFUNDACION.COM



(+54) 11 5940-3012

(+54) 011 4633-2794



info@labfundacion.com.ar | Avelino Diaz 2535 (1406), CABA - Argentina

SENASA Cert N° 04-207
Estab. Elab. N° 7112
D.T.M.V. G.Ladaga MP5113

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