

# MetriVet

Intra-uterine treatment for cows



Treat dirty cows for higher in-calf rates



# MetriVet

Proven in New Zealand to treat dirty cows

**Endometritis** costs NZ dairy farmers millions of dollars

Endometritis is inflammation of the endometrium (uterine lining) usually caused by bacterial infection at calving.

Endometritis in dairy cows leads to

- more non-cycling cows
- lower in-calf rates
- reduced conception rates
- higher empty rates

## Check for dirty cows

Endometritis can be detected via inspection of vaginal mucous and secretions.

The presence of any discolouration or flecks of pus in this fluid is likely a sign of infection.

Regular checks of cows should be made between calving and mating for best results.



**Treatment of endometritis with cephalosporins has shown**

- Improved conception rates
- Higher in-calf rates
- Lower empty rates

Treated cows have significantly more days in milk, providing farmers with higher revenue.

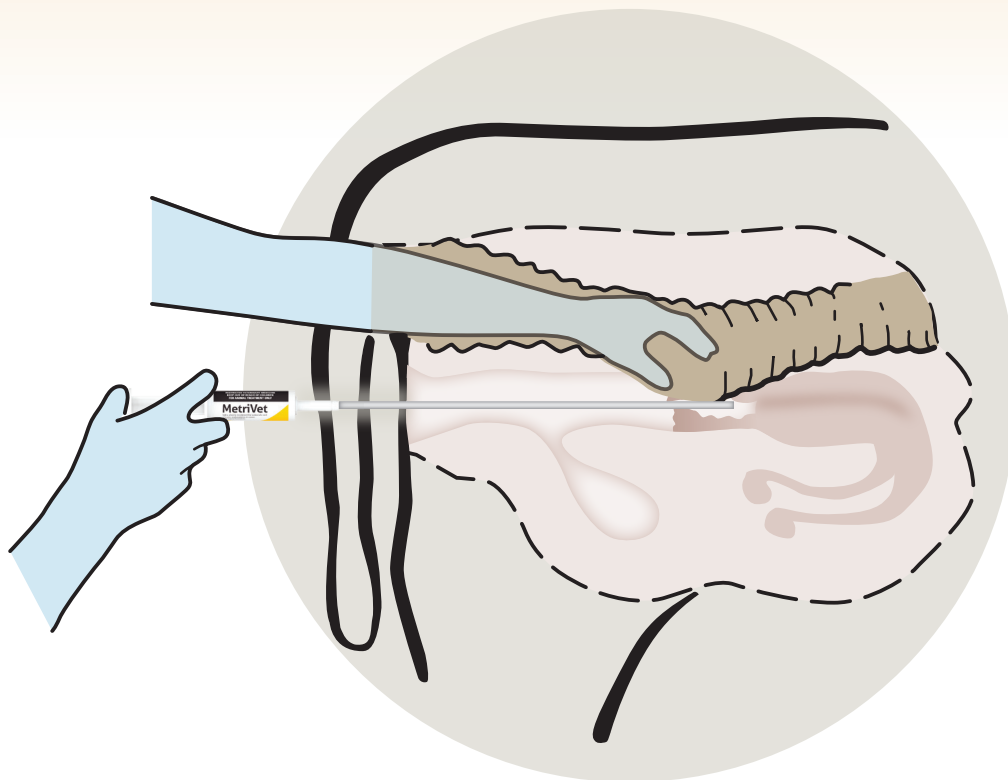


*MetriVet has been proven to cure endometritis in NZ dairy cows*

## MetriVet treatment of endometritis

MetriVet is easier to infuse into the uterus of cows

The delivery system for MetriVet provides firm union between the pipette and syringe



AgriHealth will provide veterinary continuing professional development (CPD) to support expertise in cattle reproduction and endometritis treatment.

# MetriVet

MetriVet is a 19g syringe containing 500mg cephapirin benzathine for intra-uterine administration to cows

## Features

- Proven to cure endometritis in NZ dairy cows
- Excellent quality product manufactured in Europe
- Single treatment for improved reproductive performance in cows with endometritis

## Benefits

- Treated cows have significantly more days in milk
- Excellent syringeability
- Good connection with plastic pipette

## Action

Cephapirin is a first generation cephalosporin. It is a broad-spectrum antibiotic with bactericidal action against Gram-positive and Gram-negative bacteria through interference with cell wall synthesis. Although a beta-lactam antibiotic, cephapirin is resistant to the action of penicillinase. Cephapirin is active in an anaerobic environment (as encountered in an infected uterus).

## Indications

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

Endometritis pathogens sensitive to cephapirin include Arcanobacterium (Actinomyces) pyogenes, Fusobacterium necrophorum and black-pigmented Gram negative anaerobes.

MetriVet can also be used to treat repeat breeder cows (> 3 unsuccessful inseminations) if bacterial infection is suspected to be the cause of the fertility problem.

## Dosage

As aseptically as possible, introduce the contents of one MetriVet syringe into the lumen of the uterus using a disposable (plastic) or reusable (stainless steel) catheter.

1. Attach the pre-filled MetriVet syringe to the catheter.
2. Introduce gloved hand into the rectum and locate and hold the cervix.
3. Pass catheter through the cervix into the lumen of the uterus. This may require gentle manipulation of the cervix to facilitate the movement of the catheter past the cervical folds.
4. Once catheter is in the uterus, inject the full contents of the MetriVet syringe into the uterus.
5. Carefully withdraw catheter.

One treatment with MetriVet is usually sufficient for a complete cure.

In animals with pyometra, pre-treat with prostaglandin (such as Cyclose A10490) to induce luteolysis and removal of debris from the uterus.

In animals that have been inseminated, MetriVet can safely be used one day following insemination.

## Withholding Times

Milk: Nil

Meat: Cattle - 4 days

Available in packs of 20 syringes

Store at room temperature

Restricted Veterinary Medicine, ACVM Registration Number: A10955