

# -NOTES-

## Lutalyse® Sterile Solution (dinoprost tromethamine)

**VETERINARY** — For intramuscular use for estrus synchronization of unobeyed (alien) estrus and pyometra (abnormal uterine infection) in cattle; for abortion of feedlot and other non-lactating cals.

### INDICATIONS AND INSTRUCTIONS FOR USE

**Cattle** — LUTALYSE Sterile Solution is indicated as a luteolytic agent. LUTALYSE is effective only in those cattle having a corpus luteum which ovulated at least five days prior to treatment. Follicular development of animals that are not cycling will be unaffected by LUTALYSE.

**1. For Intramuscular Use for Estrus Synchronization in Beef Cattle and Non-Lactating Dairy Heifers.** LUTALYSE is used to control estrus and ovulation in estrous cycling cattle that have a corpus luteum. Inject a dose of 5 ml LUTALYSE (25 mg PGF<sub>2α</sub>) intramuscularly once or twice at a 10 to 12 day interval.

With the single injection, cattle should be bred at the usual time relative to estrus.

With the two injections cattle can be bred after the second injection at the usual time relative to detected estrus or at about 48 hours after the second injection of LUTALYSE.

Estrus is expected to occur 1 to 5 days after injection if a corpus luteum is present. Cattle that do not become pregnant to breeding at estrus 10 to 5 after injection will be expected to return to estrus in about 60 days.

**2. For Intramuscular Use for Unobeyed (Alien) Estrus in Lactating Cows with a Corpus Luteum.** Inject a dose of 5 ml LUTALYSE (25 mg PGF<sub>2α</sub>) intramuscularly. Breed cows as they are detected in estrus. If estrus has been observed by 80 hours after injection, breed at 80 hours. If estrus has not been observed, breed at the usual time relative to estrus.

**3. For Intramuscular Use for Treatment of Pyometra (Abnormal Uterine Infection) in Cattle.** Inject a dose of 5 ml LUTALYSE (25 mg PGF<sub>2α</sub>) intramuscularly. Studies conducted with LUTALYSE, pyometra was defined as purulent corpus luteum in the ovary and uterine horns containing fetid pus based on palpation per rectum. Return to normal uterine condition by evacuation of fluid and return of the uterine horn size to 40mm in diameter on palpation per rectum at 14 and 28 days. Most cattle that respond to LUTALYSE recovered within 14 days after injection. No difference in recovery rate of treated cattle was no different than that of untreated cattle.

**4. For Intramuscular Use for Abortion of Feedlot and Other Non-Lactating Cattle.** LUTALYSE is indicated for its abortifacient effect in feedlot and other non-lactating cattle during the first 100 days of gestation. Inject a dose of 5 mg intramuscularly. Cattle that abort will abort within 35 days of treatment.

### WARNINGS

Not for human use.

Women of child-bearing age, asthmatics, and persons with bronchitis or other respiratory problems should exercise extreme caution when using this product. In the early stages, women may be unaware of the pregnancy. Dinoprost tromethamine is readily absorbed through the skin and can cause abortion and/or bronchospasms. Direct contact with the product should, therefore, be avoided. Accidental spillage on the skin should be washed off immediately with soap and water.

Use of this product in excess of the approved dose may result in abortion.

### PRECAUTIONS

**CATTLE** — Do not administer to pregnant cattle unless abortion is desired. Do not administer intravenously (I.V.), as this route might potentiate abortion reactions.

Cattle administered a progestogen would be expected to have a normal response to LUTALYSE Sterile Solution. Aggressive antibiotic therapy should be employed at the first signs of infection at the injection site whether localized or diffuse. As with all parenteral products careful aseptic techniques should be employed to decrease the possibility of post injection bacterial infections.

### ADVERSE REACTIONS

#### Cattle:

1. The most frequently observed side effect is increased rectal temperature at a 5X or 10X overdose. However, rectal temperature change has been present in all cases observed and has not been detrimental to the animal.
2. Limited salivation has been reported in some instances.
3. Intravenous administration might increase heart rate.
4. Localized post injection bacterial infections that may become pyometra have been reported. In rare instances such infections have terminated. See PRECAUTIONS.

### IMPORTANT

**CATTLE** — No milk discard or preslaughter drug withdrawal periods are required for labeled uses.

### DOSAGE AND ADMINISTRATION

**CATTLE** — LUTALYSE Sterile Solution is supplied at a concentration of 5 mg dinoprost tromethamine per ml. LUTALYSE is indicated in cattle at 5 mg (5 ml) injected intramuscularly. As with any multidosage vial, practice aseptic technique in withdrawing each dose. Adequately clean and disinfect the vial stopper prior to entry with a sterile needle.

### HOW SUPPLIED

LUTALYSE Sterile Solution is available in 10 and 30 ml vials. Caution: Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian.

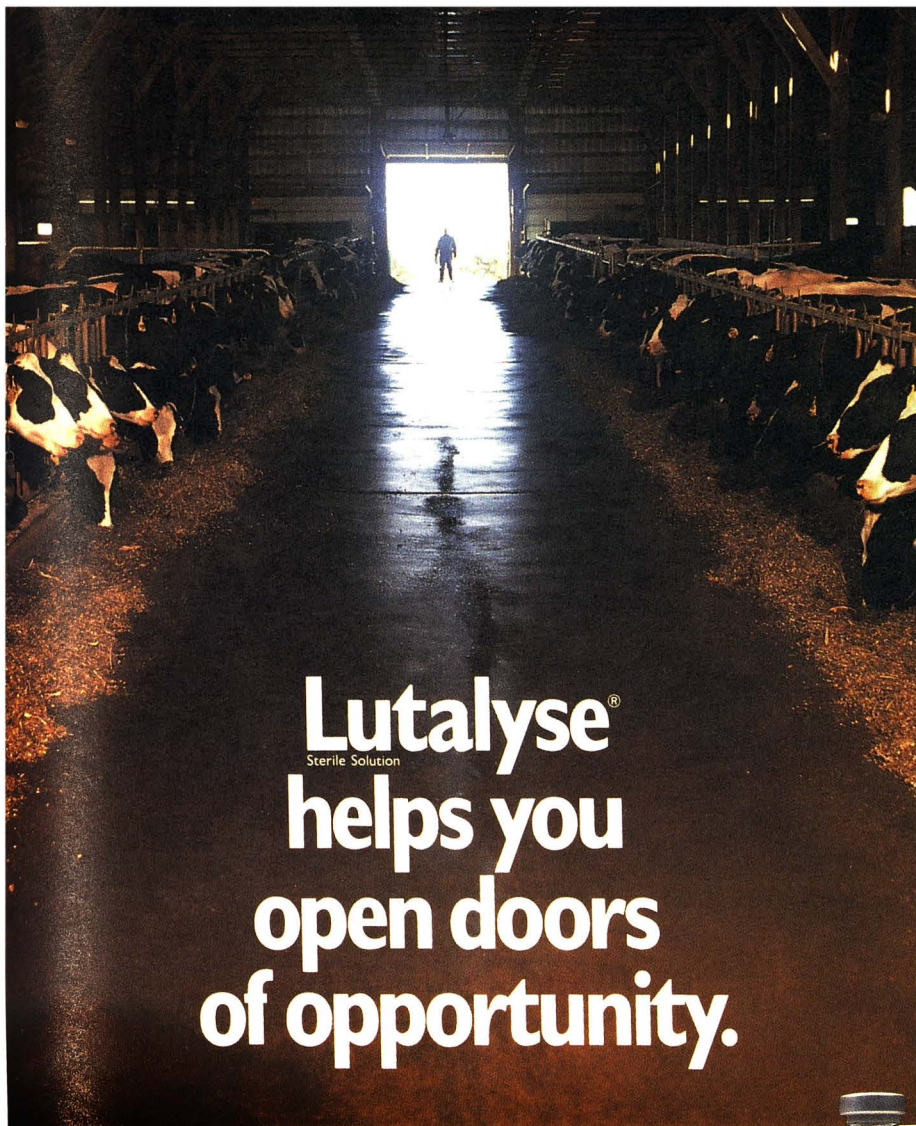
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Kalamazoo, MI 49001



**Lutalyse<sup>®</sup>**  
Sterile Solution  
**helps you  
open doors  
of opportunity.**

By improving dairy reproductive performance, LUTALYSE<sup>®</sup> Sterile Solution opens up many doors of opportunity for you and your practice. It can open doors to new clients, build your practice with current clients and help make better use of your time.

Even in healthy herds, efficient performance is hindered by long calving intervals – primarily due to missed heats and failure to conceive.

You can manage these problems with LUTALYSE. In addition to clearing up uterine infections, LUTALYSE makes it easier to detect heat. At the same time,

LUTALYSE keeps the door open for you to monitor the herd and catch other problems early.

Ask your Upjohn representative about all the opportunities that LUTALYSE can open up for you and your dairy clients.



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