

# OZOLEA-METR

IMPROVE THE PRODUCTIVITY OF YOUR HERD!



**OZOLEA-METR** is a **non-drug veterinary device** for intra-uterine use in dairy cows that helps dairy farmers manage minor uterine issues that are often the cause of low conception rates.

**OZOLEA-METR** is composed of a single ingredient: a pure human food grade vegetable oil, bio-engineered with exclusive Ozolea technology, which modifies some of the oil's fatty acid chains, thereby allowing the product, once in contact with the inner wall of the uterus, to improve late postpartum management and uterine tissue performance after insemination, thus boosting conception rates.

**OZOLEA-METR** supports tissue functionality by creating a film barrier in contact with the inner wall of the uterus: this physical barrier is able to temporarily attenuate the causes of bacterial proliferation and metritis occurrence.

**OZOLEA-METR** can be used:

- in **late postpartum**, or about 30 days after delivery, when the uterine involution is complete, there are no clear symptoms of metritis however abnormal non-severe vaginal drains may be visible,
- **after insemination in repeat breeder cows**, when the embryo is forming in the tubes but before it descends towards the uterus for implantation.

## When do I use OZOLEA-METR?

You can use OZOLEA-METR on several occasions:

- in **late postpartum**, or about 30 days after delivery, when the uterine involution is complete, there are no clear symptoms of metritis but abnormal non-severe vaginal drains may be visible,
- 24 hours **after insemination**, when the embryo is forming in the tubes but before it descends towards the uterus for implantation.

## How does OZOLEA-METR work in late postpartum?

In the late postpartum OZOLEA-METR, once inserted into the uterus, it forms a thin filming barrier in contact with the endometrium and creates a non-ideal environment for bacterial proliferation: the aggressiveness of a possible bacterial attack is slowed down, while the tissue in this way finds the time to regenerate itself and restore the natural competence of both defense and recovery of tone.

## How does OZOLEA-METR work in post-insemination?

In post-fertilization OZOLEA-METR, once inserted into the uterus, forms a thin filming barrier in contact with the endometrium, allowing the tissue to regenerate and provide the best conditions for the embryo implantation.

## How is OZOLEA-METR applied?

OZOLEA-METR is applied by inserting the applicator spout into a rigid catheter and proceeding with insertion into the uterus through the vaginal canal: the procedure must be performed by a veterinarian.

## How much product do I need for one animal?

In late postpartum **two** 10 ml applicators.

In the post insemination **one** 10 ml applicator.

### **Should I repeat the application of OZOLEA-METR in late postpartum?**

No, OZOLEA-METR carries out its function in a single application.

If the animal shows clear symptoms, a veterinary consultation is advisable. If the same initial situation persists you can call us or ask your veterinarian.

We are available to the vet for further information on the use of OZOLEA-METR.

### **Should I repeat the application of OZOLEA-METR in post-insemination?**

No. After 24 hours from the insemination the uterus must not be disturbed.

### **Are there traces of chemical residues in milk or meat after the application of OZOLEA-METR?**

No. The Ozolea bio-engineered oil remains in contact with the endometrium for a specific time, then it is naturally eliminated with the micro-contractions of the uterus. The activity of OZOLEA-METR is solely physical and the product is not metabolized by the tissues.

### **Does the tissue "absorb" the Ozolea bio-engineered oil?**

No. There is a consolidated scientific literature that shows that both corn oil and sunflower oil are neither absorbed nor metabolized by tissues.

### **What kind of oil is used to produce OZOLEA?**

Ozolea bioengineers only valuable human food grade oils: the bioengineering process modifies the structure of the oil but does not add any chemical element foreign to the oil.

### **Is OZOLEA-METR in late post-partum able to replace an antibiotic treatment prescribed by the veterinarian?**

No, OZOLEA-METR has no therapeutic effect and does not kill bacteria. In specific situations, when the antibiotic is used improperly and is ineffective, OZOLEA-METR helps to achieve better results due to its ability to support the tissue and therefore indirectly optimize the animal's immune response.

### **Can I use OZOLEA-METR later than the recommended 24 hours post-insemination?**

No. If you have any doubts please call us.

### **Is OZOLEA-METR legal in the European Union and in the U.S.?**

Yes, OZOLEA-METR meets all the requirements for veterinary devices, having demonstrated through international standards not to fall into the category of veterinary medicine.

### **Is OZOLEA-METR a veterinary medicine?**

No, OZOLEA-METR is a veterinary device: the exclusion from the category of the veterinary medicine has been demonstrated following recognized international standards. For this reason the product does not have a therapeutic effect of its own and is therefore not advisable in the case of metritis: OZOLEA-METR is in fact used when the animal has its own independent residual defense competence, which the product supports for a better autonomous resolution of the problem on the part of the animal itself.

### **Which animals should I invest in an OZOLEA-METR application?**

Repeat breeders and cows that are difficult to get pregnant are the best targets for OZOLEA-METR: improving the conception rates increases the productivity of your herd.

**DIDN'T FIND YOUR ANSWER? SEND US YOUR QUESTION: WE'LL BE GLAD TO GIVE YOU SUPPORT**

[info@ozolea.it](mailto:info@ozolea.it)



# **OZOLEA-METR**

**Veterinary device  
for intra-uterine use in dairy cows**

**Single-use applicator - 10 ml (0,352 fl.oz.)**

**Ingredients: Ozonized Zea Mays Germ Oil,  
Ozonized Sunflower Oil**

**Not cytotoxic (10993:5 Standard)**

**Not for single sale**

**Storage: max 20°C (68°F)**

Ref.L-ME-EU202001

**OZOLEA Rete Agricola  
Castegnato BS ITALY**

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# OZOLEA-METR



TECHNICAL SHEET 2019

Revision 002 - Ref. 19.07.2019 - Ref.ME-EU201901

## Description:

Bioengineered superior quality food grade vegetable oil.

The bioengineering process is based on exclusive Ozolea technology.

Intramammary use for dairy animals (bovine, buffalo).

OZOLEA-METR provides a temporary physical barrier to the inner wall of the uterus, without any pharmacological or metabolic effect. It supports tissue functionality when not severely compromised.

It does not leave any residue in the milk. It does not leave any residue in the meat.

## Ingredients:

Ozonized Zea Mays Germ Oil, Ozonized Sunflower Oil

## Storage:

Store the product in a dry place at a temperature below 20 ° C (68°F), preferably in the refrigerator (4-10°C/ 39-50°F).

## Classification:

Free sale product in EU. Veterinary device for intra-uterine use in dairy cows.

OZOLEA-METR is not a veterinary medicine. It does not require veterinary prescription.

For the use of the rigid catheter when the cervix is about to close, we encourage the consultation of the veterinarian.

## Use and dose:

Late post-partum (30 days after the delivery): one single application of two applicators, for a total of 20ml-0,704 fl.oz., using a rigid catheter (ask your veterinarian for rigid catheter use).

Post insemination (24 hours after insemination): one single application of just one applicator, for a total of 10ml-0,352 fl.oz., using a rigid catheter (ask your veterinarian for rigid catheter use).

Especially suitable for repeat breeders.

## Packaging:

Pack of 8 disposable intra-uterine applicators of 10 ml-0,352 fl.oz. each. (Tot. 100 ml-3,52 fl.oz.). UK

O Z O L E A Rete Agricola Castegnato BS ITALY

[www.ozolea.com](http://www.ozolea.com)

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# OZOLEA-METR

## IN LATE POSTPARTUM

**WHEN:** in late postpartum (30 days after the delivery)

**HOW MUCH:** TWO applicators (for a total of 20 ml)

**HOW:** in uterus with rigid catheter (ask your Veterinarian for catheter use)



+

rigid  
catheter



## AFTER INSEMINATION

**WHEN:** 24 hours after insemination

**HOW MUCH:** ONE applicator (for a total of 10 ml)

**HOW:** in UTERUS with rigid catheter (ask your Veterinarian for catheter use)



+

rigid  
catheter



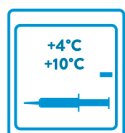
**REPEAT BREEDERS  
SPECIAL**

**IMPROVE THE PRODUCTIVITY OF YOUR HERD**  
with a VETERINARY DEVICE  
that helps you improve conception rates!

**SAFE** for the consumer, for the animal, for the farmer, for the veterinarian, for the pharmacist!

### OZOLEA PROTOCOLS: A PRODUCTIVE, SAFE and SUSTAINABLE CHOICE

**CALL**  
**+39.329.2736358**  
or ask your  
**VETERINARIAN**



**KEEP COOL  
UNTIL READY  
TO USE**



**NO MILK  
OR MEAT  
WITHDRAWALS**



**NO VETERINARY  
PRESCRIPTION**



OZOLEA-METR is not a veterinary medicine: it supports the tissue functionality when it is not yet severely compromised. Ask your Veterinarian.  
Are you a veterinarian, a pharmacist, a dairy industry quality control manager? Call us to stay informed on scientific and legal aspects of Ozolea.