

## **SUMMARY OF PRODUCT CHARACTERISTICS**

### **1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

CIDR OVIS 0.35 g Vaginal Delivery System for Sheep

### **2. QUALITATIVE AND QUANTITATIVE COMPOSITION**

Each vaginal delivery system contains:

**Active substances(s):**

Progesterone            0.35 g

For the full list of excipients, see section 6.1.

### **3. PHARMACEUTICAL FORM**

Vaginal delivery system.

A "T" shape device consisting of progesterone impregnated silicone rubber elastomer skin moulded over an inert nylon spine.

### **4. CLINICAL PARTICULARS**

#### **4.1 Target species**

Sheep (ewes).

#### **4.2 Indications for use, specifying the target species**

For the induction and synchronization of oestrus and ovulation in non-cycling ewes during seasonal anoestrus.

For the induction and synchronization of oestrus and ovulation in cycling and in non-cycling ewes for advancing the breeding season.

To be used in combination with eCG (equine chorionic gonadotrophin).

#### **4.3 Contraindications**

Do not use in:

- sexually immature ewes or in females with abnormal genital tracts.
- animals presenting with infectious or non-infectious diseases of the genital tract.

See section 4.7

#### **4.4 Special warnings for each target species**

None.

## **4.5 Special precautions for use**

### **i) Special precautions for use in animals**

The efficacy and safety of the veterinary medicinal product has not been evaluated in ewes which are unwell, which have a BCS < 2 or ≥ 4, which have had complications during previous pregnancies or lambings, or which have lambed within the last 45 days. Use only according to the benefit/risk assessment by the responsible veterinarian. Animals in poor condition, whether from illness, inadequate nutrition, or other factors, may respond poorly to treatment.

### **ii) Special precautions to be taken by the person administering the veterinary medicinal product to animals**

Progesterone is a potent steroid hormone and may cause adverse effects on the reproductive system in cases of high or prolonged exposure.

As adverse effects on unborn children cannot be ruled out, pregnant women should avoid using this product.

The product may cause skin and eye irritation, as well as allergic skin rashes.

Those administering the product should avoid contact with the silicone section; pregnant women should avoid using the product completely.

Wear gloves when administering and disposing of the product; insert the device using the applicator.

Wash hands and exposed skin with soap and water after use.

Do not smoke, eat or drink while handling the product.

## **4.6 Adverse reactions (frequency and seriousness)**

Local irritation and discharge of cloudy/yellow mucus are common and discharge of dark red/brown mucus or mucus with fresh blood is uncommon. However, these signs typically resolve within 2 days of removal of the device without the need for treatment.

The frequency of adverse reactions is defined using the following convention:

- very common (more than 1 in 10 animals treated displaying adverse reaction(s))
- common (more than 1 but less than 10 animals in 100 animals treated)
- uncommon (more than 1 but less than 10 animals in 1,000 animals treated)
- rare (more than 1 but less than 10 animals in 10,000 animals treated)
- very rare (less than 1 animal in 10,000 animals treated, including isolated reports).

## **4.7 Use during pregnancy, lactation or lay**

Do not use in pregnant ewes.

The safety of the veterinary medicinal product has not been established during lactation. During lactation use only according to the benefit/risk assessment by the responsible veterinarian.

## **4.8 Interaction with other medicinal products and other forms of interaction**

None known.

## **4.9 Amounts to be administered and administration route**

Vaginal use.

0.35 g of progesterone (1 device) per animal for 12 days.

One device should be inserted into the vagina of each ewe to be treated. The vaginal insert should be left in position for 12 days followed by an injection of equine Chorionic Gonadotrophin (eCG, formerly known as PMSG) administered at device removal. The onset of oestrus occurs within 1-2 days after removal of the insert.

In a study of 11 Lacaune breed ewes, ovulation occurred between 42 and 58 hours following eCG injection, with the majority (73%) ovulating between 50 and 54 hours. In the case that artificial insemination and advanced breeding techniques (e.g. embryo transfer) are applied, the timing of ovulation should be taken into consideration for the selected technique for optimal results.

#### Administration

A device applicator should be used for administration, following the procedure described below:

1. Ensure that the applicator is clean and dipped in a non-irritant antiseptic solution before use.
2. Wearing sterile disposable plastic gloves, fold the arms of the device and load into the applicator. The arms of the device should protrude slightly from the end of the applicator. Care should be taken to avoid unnecessary or prolonged handling of the product to minimise transfer of the active substance to the operator's gloves.
3. Apply a small quantity of obstetrical lubricant to the end of the loaded applicator.
4. Lift the tail and clean the vulva and perineum.
5. Gently insert the applicator into the vagina, first in a vertical direction and then horizontally until some resistance is encountered.
6. Make sure the removal string is free, press the handle of the applicator and allow the barrel to move back towards the handle. This releases the arms of the device, which will then retain the device in the anterior vagina.
7. With the device correctly positioned, withdraw the applicator, leaving the removal string exiting from the vulva.

The applicator should be cleaned and disinfected before being used on another animal.

#### Removal

The device may be removed by gently pulling on the tail. On occasions the tail of the device may not be visible from the outside of the animal, in such cases it may be located in the posterior vagina using a gloved finger. Approximately 1 in 10 devices may be lost by an animal. Withdrawal of the device should not require force. If any resistance is encountered a gloved finger should be used to ease removal.

If there is any difficulty in removal from the animal beyond that itemised above veterinary advice must be sought.

The device is intended for single use only.

#### **4.10 Overdose (symptoms, emergency procedures, antidotes), if necessary**

Not applicable.

#### **4.11 Withdrawal period(s)**

Meat and offal: zero days.

Milk: zero hours.

## **5. PHARMACOLOGICAL PROPERTIES**

Pharmacotherapeutic group: Genito urinary system and sex hormones. Sex hormones and modulators of the genital system, progestogens ATCvet code: QG03DA04

### **5.1 Pharmacodynamic properties**

The vaginal delivery system delivers progesterone at a controlled rate across the vaginal mucosa into the blood stream. This suppresses the release of gonadotrophin releasing hormone and consequently luteinising hormone from the anterior pituitary inhibiting follicle maturation and so controlling the oestrous cycle. After removal of the device, circulating blood levels of progesterone fall precipitously, allowing follicle maturation, behavioural oestrus and ovulation.

### **5.2 Pharmacokinetic particulars**

The pharmacokinetic profile of progesterone when administered as a single device was characterised by a maximum concentration (C<sub>max</sub>) in plasma of up to 5.9 ng/mL achieved post-dosing. Peak concentrations were followed by a decline in systemic exposure to a steady state of approximately 2 ng/mL. After removal of the device, circulating blood levels of progesterone fall precipitously within 2-4 hours reaching baseline levels by 12 hours.

## **6. PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Silicone elastomer  
Nylon spine

### **6.2 Major incompatibilities**

Not applicable.

### **6.3 Shelf life**

Shelf-life of the veterinary medicinal product as packaged for sale: 2 years.

### **6.4 Special precautions for storage**

Do not store above 30° C.

### **6.5 Nature and composition of immediate packaging**

A "T" shape device consisting of progesterone impregnated silicone rubber elastomer skin moulded over an inert nylon spine.

The devices are packed in heat-sealed low-density polyethylene sachets in units of 20 per sachet.

Pack sizes:  
Bag with 20 vaginal delivery systems.

## **6.6 Special precautions for the disposal of unused veterinary medicinal product or waste materials derived from the use of such products**

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with local requirements.

## **7. MARKETING AUTHORISATION HOLDER**

Zoetis UK Limited  
1st Floor, Birchwood Building  
Springfield Drive  
Leatherhead  
Surrey  
KT22 7LP

## **8. MARKETING AUTHORISATION NUMBER**

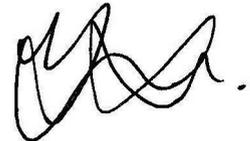
Vm 42058/4206

## **9. DATE OF FIRST AUTHORISATION**

26 July 2017

## **10. DATE OF REVISION OF THE TEXT**

May 2022

A handwritten signature in black ink, consisting of several loops and a final horizontal stroke.

Approved: 18 May 2022