

SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Syncroprost, 0.250 mg/ml solution for injection for cattle, horses, pigs and goats

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each ml contains:

Active Substances:

Cloprostenol 0.250 mg
(equivalent to 0.263 mg cloprostenol sodium)

Excipients:

<u>Qualitative composition of excipients and other constituents</u>	<u>Quantitative composition of excipients and other constituents</u>
Benzyl alcohol (E1519)	20 mg
Sodium citrate	
Citric acid (for pH adjustment)	
Sodium chloride	
Sodium hydroxide (for pH adjustment)	
Water for injections	

Clear, colourless solution, practically free from visible particles.

3. CLINICAL INFORMATION

3.1 Target species

Cattle (cows and heifers), horses (mares), pigs (sows and sows nullipar) and goats (adult females).

3.2 Indications for use for each target species

Cattle (cows and heifers)

- Induction of luteolysis allowing resumption of oestrus and ovulation in cyclic females when used during dioestrus
- Synchronisation of oestrus (within 2 to 5 days) in groups of cyclic females treated simultaneously
- Treatment of suboestrus (“silent heat”) and uterine disorders related to a functioning or persistent *corpus luteum* (endometritis, pyometra)
- Treatment of ovarian luteal cysts
- Induction of abortion until day 150 of pregnancy
- Expulsion of mummified foetuses
- Induction of parturition

Horses (mares)

- Induction of luteolysis in mares with a functional *corpus luteum*
- Induction of the oestrus cycle during the breeding season

Pigs (sows and sows nullipar)

- Induction of luteolysis and parturition after day 114 of gestation

Goats (adult females)

- Synchronisation of oestrus

3.3 Contraindications

Do not administer the veterinary medicinal product to pregnant animals unless the objective is to terminate the pregnancy.

Do not use in animals with cardiovascular, gastrointestinal or respiratory problems.

Do not administer to induce parturition in animals with suspected dystocia due to mechanical obstruction or if problems are expected because of an abnormal position of the foetus.

Do not use in cases of hypersensitivity to the active substance or to any of the excipients.

Do not administer intravenously.

3.4 Special warnings

In cattle, for the termination of pregnancy, best results are obtained before day 100 of gestation. Results are less reliable between day 100 and 150 of gestation.

There is a refractory period of four to five days after ovulation when cattle are insensitive to the luteolytic effect of prostaglandins.

Induction of luteolysis in mares with a functional *corpus luteum*.

Some animals may present, on gynecological examination, a functioning or persistent *corpus luteum* or, simply, normal ovarian cycles with little or even absent behavioral manifestations (“silent heat”).

In such cases it is advisable to induce luteolysis for a return to normal heat.

Induction of the oestrus cycle in mares during the breeding season

In the context of a scheduled work program, oestrus can be induced to facilitate reproductive efficiency and better exploitation of stallions during the mating season. The oestrus resulting from the treatment with the veterinary medicinal product is perfectly normal both in terms of external manifestations and duration, and in the maturation of the follicles, their number and size.

3.5 Special precautions for use

Special precautions for safe use in the target species

In case of oestrus induction: from the 2nd day after injection, adequate heat detection is necessary.

Induction of parturition and abortion may increase the risk of complications, retained placenta, foetal death and metritis.

Induction of parturition in sows before day 114 of gestation may result in an increased risk of stillbirths and the need for manual assistance at farrowing.

To reduce the risk of anaerobic infections (e.g. swelling, crepitus), which might be related to the pharmacological properties of prostaglandins, care should be taken to avoid injection through contaminated areas of skin. Clean and disinfect injection sites thoroughly before administration.

All animals should receive adequate supervision after treatment.

Special precautions to be taken by the person administering the medicinal product to animals

Prostaglandins of the F2 α type, such as cloprostenol, can be absorbed through the skin and may cause bronchospasm or miscarriage.

Direct contact with skin or mucous membranes of the user should be avoided.

Benzyl alcohol may cause allergic reactions. People with known hypersensitivity to benzyl alcohol should avoid contact with the veterinary medicinal product.

Care should be taken when handling the veterinary medicinal product to avoid self-injection or skin contact. Pregnant women, women of child-bearing age, asthmatics and people with bronchial or other respiratory

tract diseases should exercise caution when handling the veterinary medicinal product. Personal protective equipment consisting of disposable impervious gloves should be worn when administering the veterinary medicinal product.

Accidental spillage on the skin should be washed off immediately with soap and water.

In case of accidental self-injection or spillage onto the skin, seek urgent medical advice, particularly if shortness of breath occurs, and show the package leaflet or label to the physician.

Wash hands after use.

Special precautions for the protection of the environment

.See section 5.5.

3.6 Adverse events

Horses (mares)

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Anaphylactic-type reaction ¹
Undetermined frequency (cannot be estimated from the available data)	Increased sweating ² Muscle tremor ² , Incoordination Loose stool ³ , Abdominal discomfort Increased heart rate Increased respiratory rate, Lying down Injection site infection ⁴

¹ Might be life-threatening and require rapid medical care

² This appears to be transient and resolves without any treatment

³ May be passed shortly after treatment

⁴ Occurrence of bacterial infections is likely if anaerobic bacteria penetrate the tissue of the injection site. Typical local reactions due to anaerobic infection are swelling and crepitus at the injection site.

Cattle (cows and heifers)

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Anaphylactic-type reaction ¹
Undetermined frequency (cannot be estimated from the available data)	Retained placenta ² Injection site infection ³

¹ Might be life-threatening and require rapid medical care

² When used in cattle for induction of parturition and dependent on the time of treatment relative to the date of conception, the incidence of retained placenta may be increased.

³ Occurrence of bacterial infections is likely if anaerobic bacteria penetrate the tissue of the injection site. Typical local reactions due to anaerobic infection are swelling and crepitus at the injection site.

Goats (adult females)

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Anaphylactic-type reaction ¹
Undetermined frequency	Injection site infection ²

(cannot be estimated from the available data)	
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¹ Might be life-threatening and require rapid medical care

² Occurrence of bacterial infections is likely if anaerobic bacteria penetrate the tissue of the injection site. Typical local reactions due to anaerobic infection are swelling and crepitus at the injection site.

Pigs (sows and sows nullipar)

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Anaphylactic-type reaction ¹
Undetermined frequency (cannot be estimated from the available data)	Injection site infection ²

¹ Might be life-threatening and require rapid medical care

² Occurrence of bacterial infections is likely if anaerobic bacteria penetrate the tissue of the injection site. Typical local reactions due to anaerobic infection are swelling and crepitus at the injection site.

Reporting adverse events is important. It allows continuous safety monitoring of a veterinary medicinal product. Reports should be sent, preferably via a veterinarian, to either the marketing authorisation holder or its local representative or the national competent authority via the national reporting system. See the package leaflet for respective contact details.

3.7 Use during pregnancy, lactation or lay

Pregnancy and lactation

Do not administer the veterinary medicinal product to pregnant animals unless the objective is to terminate the pregnancy.

The veterinary medicinal product can be used safely during lactation.

3.8 Interactions with other medicinal products and other forms of interaction

Do not administer the veterinary medicinal product together with non-steroidal anti-inflammatory drugs since they inhibit endogenous prostaglandin synthesis.

The activity of other oxytocic agents can be increased after the administration of cloprostenol.

3.9 Administration routes and dosage

For intramuscular use.

Cattle

0.500 mg cloprostenol/animal corresponding to 2 ml of the veterinary medicinal product per animal.

Synchronisation of oestrus

Administer one dose of the veterinary medicinal product twice at 11-14 days interval.

Treatment of suboestrus (“silent heat”) and uterine disorders related to a functioning or persistent *corpus luteum* (endometritis, pyometra)

Administer one dose of the veterinary medicinal product preferably before the 60th day post-partum. If necessary, repeat the treatment at the latest after 10-11 days.

Induction of abortion

Administer one dose of the veterinary medicinal product until day 150 after insemination.

Induction of parturition

Administer one dose of the veterinary medicinal product within 10 days before the expected date of parturition.

Horses

Ponies: 0.125-0.250 mg cloprostenol/animal corresponding to 0.5-1 ml of the veterinary medicinal product per animal.

Light horses: 0.25 mg of cloprostenol/animal corresponding to 1 ml of the veterinary medicinal product per animal.

Heavy horses: 0.500 mg cloprostenol/animal corresponding to 2 ml of the veterinary medicinal product per animal.

If there is no sign of oestrus, the treatment may be repeated 14 days after the first injection.

Pigs

0.175 mg cloprostenol/animal corresponding to 0.7 ml of the veterinary medicinal product per animal, preferably with a needle at least 4 cm long.

The administration of a single dose at the end of pregnancy, one or two days before the expected date of parturition, causes luteolysis and the completion of parturition in the 36 hours following the treatment.

Goats

0.100 to 0.200 mg cloprostenol/animal corresponding to 0.4 to 0.8 ml of the veterinary medicinal product per animal.

Administer one dose of the veterinary medicinal product. If there is no sign of oestrus, the treatment may be repeated 9-10 days after the first injection.

The rubber stopper may safely be punctured up to 10 times. Otherwise, the use of a multiple-dose syringe is recommended.

3.10 Symptoms of overdose (and where applicable, emergency procedures, and antidotes)

Overdose may be associated with uneasiness and diarrhoea. These effects are usually transient and will resolve without treatment.

In the mares, if the indicated dosage is exceeded, clinical signs such as sweating, diarrhoea, dyspnoea, tachycardia, colics can occasionally be observed.

3.11 Special restrictions for use and special conditions for use, including restrictions on the use of antimicrobial and antiparasitic veterinary medicinal products in order to limit the risk of development of resistance

Not applicable.

3.12 Withdrawal periods:

Cattle, goats, horses

Meat and offal: 1 day.

Milk: zero days.

Pigs

Meat and offal: 1 day.

4. PHARMACOLOGICAL INFORMATION

4.1 ATC vet code

QG02AD90

4.2 Pharmacodynamics

Cloprostenol is a synthetic prostaglandin analogue structurally related to Prostaglandin F_{2α} (PGF_{2α}). As a potent luteolytic agent, which provokes morphological regression (luteolysis) of the *corpus luteum*.

Furthermore, this group of substances has a contractile effect on smooth muscles (uterus, gastrointestinal tract, respiratory tract, vascular system).

Cloprostenol does not demonstrate any androgenic, oestrogenic or anti-progesterone activity and its effects on pregnancy is due to its luteolytic property.

Unlike other prostaglandin analogues, cloprostenol has not tromboxane A₂ activity and does not cause platelet aggregation. Cloprostenol has a good safety margin and does not impair fertility. No deleterious effects have been reported on the progeny conceived at the oestrus following treatment.

4.3 Pharmacokinetics

Studies of metabolism, using 15-¹⁴C-cloprostenol sodium, were conducted in swine and cattle (following I.M. administration) to determine residual levels. Cloprostenol sodium is rapidly absorbed from the injection site. It is then metabolised and finally excreted practically similarly between urine and stool. In cattle and pigs the majority of the administered dose is excreted within 0-4 hours after injection and in practice the whole compound is excreted and metabolized within 24 hours.

The main pathway of metabolization in all animal species appears to be that of β-oxidation with formation of the Tetranor- or dinor-acids of cloprostenol.

The values at the peak of radioactivity in the blood are observed within 1 hour of parenteral administration of sodium cloprostenol and tend to decrease with a T_{1/2} between 1 and 3 hours (depending on the animal species).

Environmental properties

The veterinary medicinal product should not enter water courses as this may be dangerous for fish and other aquatic organisms.

5. PHARMACEUTICAL PARTICULARS

5.1 Major incompatibilities

In the absence of compatibility studies, this veterinary medicinal product must not be mixed with other veterinary medicinal products.

5.2 Shelf-life

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

Shelf life after first opening the immediate packaging: 28 days.

5.3 Special precautions for storage

Keep vial in the outer carton in order to protect from light.

5.4 Nature and composition of immediate packaging

Type I colourless glass vials sealed with bromo-butyl rubber stoppers closed by aluminium flip-off caps.
Box with one 10- or 20- or 50- or 100-ml vial.
Box with 10 x 20 ml vials
Not all pack sizes may be marketed.

5.5 Special precautions for the disposal of unused veterinary medicinal product or waste materials derived from the use of such products if appropriate

Medicines should not be disposed of via wastewater or household waste. Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any national collection system applicable to the veterinary medicinal product concerned. The veterinary medicinal product should not enter water courses as this may be dangerous for fish and other aquatic organisms.

6. NAME OF THE MARKETING AUTHORISATION HOLDER

7. MARKETING AUTHORISATION NUMBER

8. DATE OF FIRST AUTHORISATION

Date of first authorisation: {DD/MM/YYYY}

9. DATE OF THE LAST REVISION OF THE SUMMARY OF THE PRODUCT CHARACTERISTICS

{MM/YYYY}

10. CLASSIFICATION OF VETERINARY MEDICINAL PRODUCTS

Veterinary medicinal product subject to prescription.
Detailed information on this veterinary medicinal product is available in the Union Product Database (<https://medicines.health.europa.eu/veterinary>).

ANNEX III
LABELLING AND PACKAGE LEAFLET

A. LABELLING

PARTICULARS TO APPEAR ON THE OUTER PACKAGE

Cardboard boxes of 10 ml, 20 ml, 10x20 ml, 50 ml or 100 ml vials

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Syncroprost 0.250 mg/ml solution for injection

2. STATEMENT OF ACTIVE SUBSTANCES

1 ml contains 0.250 mg of cloprostenol (equivalent to 0.263 mg cloprostenol sodium).

3. PACKAGE SIZE

10 ml
20 ml
10x20 ml
50 ml
100 ml

4. TARGET SPECIES

Cattle, horses, pigs and goat.

5. INDICATION(S)

6. ROUTES OF ADMINISTRATION

Intramuscular use.

7. WITHDRAWAL PERIODS

Withdrawal period(s):

Cattle, goats, horses

Meat and offal: 1 day.

Milk: zero days.

Pigs

Meat and offal: 1 day.

8. EXPIRY DATE

EXP {mm/yyyy}

Once broached, use within 28 days.

9. SPECIAL STORAGE PRECAUTIONS

Keep the vial in the outer carton in order to protect from light.

10. THE WORDS “READ THE PACKAGE LEAFLET BEFORE USE”

Read the package leaflet before use.

11. THE WORDS “FOR ANIMAL TREATMENT ONLY”

For animal treatment only.

12. THE WORDS “KEEP OUT OF THE SIGHT AND REACH OF CHILDREN”

Keep out of the sight and reach of children.

13. NAME OF THE MARKETING AUTHORISATION HOLDER



14. MARKETING AUTHORISATION NUMBERS

15. BATCH NUMBER

Lot {number}

PARTICULARS TO APPEAR ON THE IMMEDIATE PACKAGE

100 ml vial label

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Syncroprost 0.250 mg/ml solution for injection

2. STATEMENT OF ACTIVE SUBSTANCES

1 ml contains 0.250 mg of cloprostenol (equivalent to 0.263 mg cloprostenol sodium).

3. TARGET SPECIES

Cattle, horses, pigs and goats.

4. ROUTES OF ADMINISTRATION

Intramuscular use.

Read the package leaflet before use.

5. WITHDRAWAL PERIODS

Withdrawal period:

Cattle, goats, horses

Meat and offal: 1 day.

Milk: zero days.

Pigs

Meat and offal: 1 day.

6. EXPIRY DATE

EXP {mm/yyyy}

Once broached, use within 28 days.

7. SPECIAL STORAGE PRECAUTIONS

Keep the vial in the outer carton in order to protect from light.

8. NAME OF THE MARKETING AUTHORISATION HOLDER



9. BATCH NUMBER

Lot {number}

MINIMUM PARTICULARS TO APPEAR ON SMALL IMMEDIATE PACKAGING UNITS

10 ml vial label
20 ml vial label
50 ml vial label

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Syncroprost



**2. QUANTITATIVE
SUBSTANCES**

PARTICULARS OF THE ACTIVE

0.250 mg/ml of cloprostenol.

3. BATCH NUMBER

Lot {number}

4. EXPIRY DATE

EXP {mm/yyyy}

Once broached, use within 28 days.

B. PACKAGE LEAFLET

PACKAGE LEAFLET:

1. Name of the veterinary medicinal product

Syncroprost, 0.250 mg/ml solution for injection for cattle, horses, pigs and goats

2. Composition

Each ml contains:

Active substance:

Cloprostenol 0.250 mg (equivalent to 0.263 mg cloprostenol sodium).

Excipients:

Benzyl alcohol (E1519) 20 mg.

Clear, colourless solution.

Practically free from visible particles.

3. Target species

Cattle (cows and heifers), horses (mares), pigs (sows and sows, nullipar) and goats (adult females)

4. Indications for use

Cattle (cows and heifers)

- Induction of luteolysis allowing resumption of oestrus and ovulation in cyclic females when used during dioestrus
- Synchronisation of oestrus (within 2 to 5 days) in groups of cyclic females treated simultaneously
- Treatment of suboestrus (“silent heat”) and uterine disorders related to a functioning or persistent *corpus luteum* (endometritis, pyometra)
- Treatment of ovarian luteal cysts
- Induction of abortion until day 150 of pregnancy
- Expulsion of mummified foetuses
- Induction of parturition

Horses (mares)

- Induction of luteolysis in mares with a functional *corpus luteum*
- Induction of the oestrus cycle during the breeding season

Pigs (sows and sows, nullipar)

- Induction of luteolysis and parturition after day 114 of gestation

Goats (adult females)

- Synchronisation of oestrus

5. Contraindications

Do not administer the veterinary medicinal product to pregnant animals unless the objective is to terminate the pregnancy.

Do not use in animals with cardiovascular, gastro-intestinal or respiratory problems.

Do not administer to induce parturition in animals with suspected dystocia due to mechanical obstruction or if problems are expected because of an abnormal position of the foetus.

Do not use in known cases of hypersensitivity to the active substance or to any of the excipients.

Do not administer intravenously.

6. Special warnings

Special warnings:

In cattle, for the termination of pregnancy, best results are obtained before day 100 of gestation. Results are less reliable between day 100 and 150 of gestation.

There is a refractory period of four to five days after ovulation when cattle are insensitive to the luteolytic effect of prostaglandins.

Induction of luteolysis in mares with a functional *corpus luteum*:

Some animals may present, on gynecological examination, a functioning or persistent *corpus luteum* or, simply, normal ovarian cycles with little or even absent behavioural manifestations (“silent heat”).

In such cases it is advisable to induce luteolysis for a return to normal heat.

Induction of the oestrus cycle in mares during the breeding season:

In the context of a scheduled work program, oestrus can be induced to facilitate reproductive efficiency and better exploitation of stallions during the mating season. The oestrus resulting from the treatment with the veterinary medicinal product is perfectly normal both in terms of external manifestations and duration, and in the maturation of the follicles, their number and size.

Special precautions for safe use in the target species:

In case of oestrus induction: from the 2nd day after injection, adequate heat detection is necessary.

Induction of parturition and abortion may increase the risk of complications, retained placenta, foetal death and metritis.

Induction of parturition in sows before day 114 of gestation may result in an increased risk of stillbirths and the need for manual assistance at farrowing.

To reduce the risk of anaerobic infections (e.g. swelling, crepitus), which might be related to the pharmacological properties of prostaglandins, care should be taken to avoid injection through contaminated areas of skin. Clean and disinfect injection sites thoroughly before administration.

All animals should receive adequate supervision after treatment.

Special precautions to be taken by the person administering the veterinary medicinal product to animals:

Prostaglandins of the F2 α type, such as cloprostenol, can be absorbed through the skin and may cause bronchospasm or miscarriage.

Direct contact with skin or mucous membranes of the user should be avoided.

Benzyl alcohol may cause allergic reactions. People with known hypersensitivity to benzyl alcohol should avoid contact with the veterinary medicinal product.

Care should be taken when handling the veterinary medicinal product to avoid self-injection or skin contact.

Pregnant women, women of child-bearing age, asthmatics and people with bronchial or other respiratory tract diseases should exercise caution when handling the veterinary medicinal product. Personal protective equipment consisting of disposable impervious gloves should be worn when administering the veterinary medicinal product.

Accidental spillage on the skin should be washed off immediately with soap and water.

In case of accidental self-injection or spillage onto the skin, seek urgent medical advice, particularly if shortness of breath occurs, and show the package leaflet or label to the physician.

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

Wash hands after use.

Special precautions for the protection of the environment

See section “Special precautions for disposal.”

Pregnancy and lactation:

Do not administer the veterinary medicinal product to pregnant animals unless the objective is to terminate the pregnancy.

The veterinary medicinal product can be used safely during lactation.

Interaction with other medicinal products and other forms of interaction:

Do not administer the veterinary medicinal product together with non-steroidal anti-inflammatory drugs since they inhibit endogenous prostaglandin synthesis.

The activity of other oxytocic agents can be increased after the administration of cloprostenol.

Overdose:

Overdose may be associated with uneasiness and diarrhoea. These effects are usually transient and will resolve without treatment.

In the mares, if the indicated dosage is exceeded, clinical signs such as sweating, diarrhoea, dyspnoea, tachycardia, colics can occasionally be observed.

Major incompatibilities:

In the absence of compatibility studies, this veterinary medicinal product must not be mixed with other veterinary medicinal products.

7. Adverse events

Horses (mares)

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Anaphylactic type reaction ¹ (severe allergic reaction)
Undetermined frequency (cannot be estimated from the available data)	Increased sweating ² Muscle tremor ² , incoordination Loose stool ³ , Abdominal discomfort Increased heart rate Increased respiratory rate, Lying down Injection site infection ⁴

¹ Might be life-threatening and require rapid medical care

² This appears to be transient and resolves without any treatment

³ May be passed shortly after treatment

⁴ Occurrence of bacterial infections is likely if anaerobic bacteria penetrate the tissue of the injection site. Typical local reactions due to anaerobic infection are swelling and crepitus at the injection site.

Cattle (cows and heifers)

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Anaphylactic type reaction ¹ (severe allergic reaction)
Undetermined frequency (cannot be estimated from the available data)	Retained placenta ² Injection site infection ³

¹ Might be life-threatening and require rapid medical care

² When used in cattle for induction of parturition and dependent on the time of treatment relative to the date of conception, the incidence of retained placenta may be increased.

³ Occurrence of bacterial infections is likely if anaerobic bacteria penetrate the tissue of the injection site. Typical local reactions due to anaerobic infection are swelling and crepitus at the injection site.

Goats (adult females)

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Anaphylactic type reaction ¹ (severe allergic reaction)
Undetermined frequency (cannot be estimated from the available data)	Injection site infection ²

¹ Might be life-threatening and require rapid medical care

² Occurrence of bacterial infections is likely if anaerobic bacteria penetrate the tissue of the injection site. Typical local reactions due to anaerobic infection are swelling and crepitus at the injection site.

Pigs (sows and sows, nullipar)

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Anaphylactic type reaction ¹ (severe allergic reaction)
Undetermined frequency (cannot be estimated from the available data)	Injection site infection ²

¹ Might be life-threatening and require rapid medical care

² Occurrence of bacterial infections is likely if anaerobic bacteria penetrate the tissue of the injection site. Typical local reactions due to anaerobic infection are swelling and crepitus at the injection site.

Reporting adverse events is important. It allows continuous safety monitoring of a product. If you notice any side effects, even those not already listed in this package leaflet, or you think that the medicine has not worked, please contact, in the first instance, your veterinarian. You can also report any adverse events to the marketing authorisation holder using the contact details at the end of this leaflet, or via your national reporting system.

8. Dosage for each species, routes and method of administration

For intramuscular use only.

Cattle

0.500 mg cloprostenol/animal corresponding to 2 ml of the veterinary medicinal product per animal.

Synchronisation of oestrus

Administer one dose of the veterinary medicinal product twice at 11-14 days interval

Treatment of suboestrus (“silent heat”) and uterine disorders related to a functioning or persistent *corpus luteum* (endometritis, pyometra)

Administer one dose of the veterinary medicinal product preferably before the 60th day post-partum. If necessary, repeat the treatment at the latest after 10-11 days.

Induction of abortion

Administer one dose of the veterinary medicinal product until day 150 after insemination.

Induction of parturition

Administer one dose of the veterinary medicinal product within 10 days before the expected date of parturition.

Horses

Ponies (jennies): 0.125-0.250 mg cloprostenol/animal corresponding to 0.5-1 ml of the veterinary medicinal product per animal.

Light horses: 0.25 mg of cloprostenol/animal corresponding to 1 ml of the veterinary medicinal product per animal.

Heavy horses: 0.500 mg cloprostenol/animal corresponding to 2 ml of the veterinary medicinal product per animal. If there is no sign of oestrus, the treatment may be repeated 14 days after the first injection.

Pigs

0.175 mg cloprostenol/animal corresponding to 0.7 ml of the veterinary medicinal product per animal by deep intramuscular injection, preferably with a needle at least 4 cm long.

The administration of a single dose at the end of pregnancy, one or two days before the expected date of parturition, causes luteolysis and the completion of parturition in the 36 hours following the treatment.

Goats

0.100 to 0.200 mg cloprostenol/animal corresponding to 0.4 to 0.8 ml of the veterinary medicinal product per animal.

Administer one dose of the veterinary medicinal product. If there is no sign of oestrus, the treatment may be repeated 9-10 days after the first injection.

The rubber stopper may safely be punctured up to 10 times. Otherwise, the use of a multiple-dose syringe is recommended.

9. Advice on correct administration

10. Withdrawal periods

Cattle, goats and horses

Meat and offal: 1 day

Milk: zero days

Pigs

Meat and offal: 1 day

11. Special storage precautions

Shelf life after first opening the immediate packaging: 28 days.

Keep vial in the outer carton in order to protect from light.

Keep out of the sight and reach of children.

Do not use this veterinary medicinal product after the expiry date which is stated on the carton and vial after "EXP". The expiry date refers to the last day of that month.

12. Special precautions for disposal

Medicines should not be disposed of via wastewater or household waste.

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any applicable national collection systems. Ask your veterinary surgeon or pharmacist how to dispose of medicines no longer required. These measures should help to protect the environment. The veterinary medicinal product should not enter water courses as this may be dangerous for fish and other aquatic organisms.

13. Classification of veterinary medicinal products

Veterinary medicinal product subject to prescription.

14. Marketing authorisation numbers and pack sizes

Pack sizes:

Cardboard box of 10 ml vial, 20 ml vial, 10x20 ml vials, 50 ml vial or 100 ml vial.

Not all pack sizes may be marketed.

15. Date on which the package leaflet was last revised

{mm/yyyy}

Detailed information on this veterinary medicinal product is available in the Union Product Database (<https://medicines.health.europa.eu/veterinary>).

16. Contact details

Marketing authorisation holder and contact details to report suspected adverse reactions:

Tel: +800 35 22 11 51

E-mail: pharmacovigilance@ceva.com

Manufacturer responsible for batch release:

Vetem S.p.A., Lungomare Pirandello, 8, 92014 Porto Empedocle (AG), Italy

17. Other information

Environmental properties

The veterinary medicinal product should not enter water courses as this may be dangerous for fish and other aquatic organisms.