

SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Chan Pen Strep Suspension for Injection

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each ml contains:

Active substances:

Procaine benzylpenicillin	200 mg
Dihydrostreptomycin (as dihydrostreptomycin Sulphate)	200 mg

3. PHARMACEUTICAL FORM

Suspension for injection.

4. CLINICAL PARTICULARS

4.1 Target species

Cattle, sheep, pigs.

4.2 Indications for use, specifying the target species

For the treatment of infections caused by bacteria sensitive to penicillin and dihydrostreptomycin in cattle, sheep and pigs.

4.3 Contraindications

Not to be administered to animals known to be sensitive to penicillin.

Not to be used when it is known that penicillinase-producing staphylococcus organisms are present.

4.4 Special warnings for each target species

Occasionally in sucking and fattening pigs administration of products containing procaine penicillin may cause a transient pyrexia, vomiting, shivering, listlessness and incoordinations.

In pregnant sows and gilts a vulval discharge which could be associated with abortion has been reported.

The maximum dose volume recommended at any one site for cattle is 20 ml.

4.5 Special precautions for use

Special precautions for use in animals

Not for use in lactating ewes producing milk for human consumption.

Use of the product should be based on susceptibility testing of the bacteria isolated from the animal. If this is not possible, therapy should be based on local (regional, farm level) epidemiological information about susceptibility of the target bacteria.

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

Penicillin and cephalosporins may cause hypersensitivity (allergy) following injection, inhalation, ingestion or skin contact. Hypersensitivity to penicillin may lead to cross sensitivity to cephalosporins and vice versa. Allergic reaction to these substances can occasionally be serious.

1. Do not handle this product if you know you are sensitised or if you have been advised not to work with such preparations.
2. Handle this product with great care to avoid exposure, taking all recommended precautions.
3. If you develop symptoms following exposure, such as a skin rash, you should seek medical advice and show the doctor this warning. Swelling of the face, lips and eyes or difficulty with breathing are more serious symptoms and require urgent medical attention.

4.6 Adverse reactions (frequency and seriousness)

Occasional allergies to penicillins have been observed but these are very rare.

Hypersensitivity (allergic) reactions to penicillins can vary from localised swelling to anaphylaxis and death.

Occasionally in suckling and fattening pigs administration of products containing procaine penicillin may cause a transient pyrexia, vomiting, shivering, listlessness and incoordination.

In pregnant sows and gilts a vulval discharge which could be associated with abortion has been reported.

Procaine penicillin G can, under certain circumstances, be toxic and even lethal to pigs and this is thought to be due to a sudden release of toxic amounts of free procaine. The symptoms include shivering, lassitude, inappetence, vomiting, cyanosis of the extremities and pronounced pyrexia (40°C and over). A vulval discharge may appear and some animals may abort. Alarming side-effects are most likely to occur when pigs with erysipelas are injected with an older and/or, heat-affected procaine penicillin formulation. Treatment with 5 mg dexamethasone will result in rapid recovery.

4.7 Use during pregnancy, lactation or lay

Procaine penicillin and dihydrostreptomycin are safe for use in pregnant animals. Not for use in lactating ewes producing milk for human consumption.

4.8 Interaction with other medicinal products and other forms of interaction

Tetracycline are bacteriostatic antibiotics that presumably may interfere with a bactericidal agent such as penicillin. Since penicillin act by inhibiting cell wall synthesis, agents such as tetracyclines, which inhibit protein synthesis, could mask the bactericidal effect of penicillin.

If penicillin is used with a tetracycline, it would be prudent to observe the following points when possible:

1. Be sure that adequate amounts of each agent are given; antagonism is most likely to occur when barely sufficient amounts of each agent are given.
2. Begin administration of the penicillin at least a few hours before the administration of tetracycline.

4.9 Amounts to be administered and administration route

Shake well before use.

The recommended dose is 4 ml per 100 kg bodyweight i.e. 8,000 IU procaine penicillin and 10 mg dihydrostreptomycin sulphate per kg.

To ensure a correct dosage body weight should be determined as accurately as possible.

For intramuscular administration only.

Species	Dose (ml)	kg Bodyweight
Cattle	4.0	100
Calf	2.0	50
Sheep	1.0	25
Lamb	0.4	10
Sow	3.0	75
Piglet	0.2	5

Clean the area of injection and swab with spirit.

The maximum dose volume recommended at any one site for cattle is 20 ml.

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

Do not exceed the stated dose. Hypersensitivity (allergic) reactions to penicillins can vary from localised swelling to anaphylaxis and death. Therapy involves hot- or cold- water soaks and/or corticosteroids.

4.11 Withdrawal period(s)

Cattle:

Meat and offal: 21 days

Milk: 72 hours

Sheep:

Meat and offal: 21 days

Milk: Not for use in lactating ewes producing milk for human consumption.

Pigs:

Meat and offal: 21 days

5. PHARMACOLOGICAL or IMMUNOLOGICAL PROPERTIES

Pharmacotherapeutic group: Antibacterials for systemic use, penicillins, combination with other antibacterials.

ATCvet code: QJ01RA01

Penicillins are rapidly absorbed when injected in an aqueous suspension by the intramuscular route. However, absorption of Penicillin G from a procaine penicillin preparation is prolonged, with peak

blood levels being attained at approximately 2-4 hours and declining below therapeutic levels at 24 hours in pigs and 48 hours in cattle and sheep.

Dihydrostreptomycin is also absorbed rapidly. Peak plasma concentration occurs within 1 hour. The blood levels will decline a lot faster (below therapeutic levels at 12 hours) than the penicillin G due to a slower absorption of the penicillin from the procaine preparation.

6. PHARMACEUTICAL PARTICULARS

6.1 Incompatibilities

None known

6.2 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.

6.3. Special precautions for storage

Store in a refrigerator (+2°C to +8°C).

Do not freeze.

6.4 Nature and composition of immediate packaging

Type II, siliconised clear glass, 100 ml vials containing aqueous, sterile suspension, closed with nitril rubber stoppers and sealed with aluminium seals.

6.5 Special precautions for the disposal of unused veterinary medicinal product or waste materials

Any unused product or waste material should be disposed of in accordance with national requirements.

7. MARKETING AUTHORISATION HOLDER:

Chanelle Pharmaceuticals Manufacturing Ltd.,
Loughrea,
Co. Galway,
Ireland