

Colfive 5,000,000 IU/ml

Concentrate for oral solution for calves,
pigs, lambs, chickens and turkeys

Give me five!



Veterinary use - Veterinary medicinal product subject to prescription

Composition per ml: Colistin (sulfate) 5,000,000 IU, benzyl alcohol (E1519), 10 mg. Clear orange-brown solution.

Target species and Indications: Cattle (calves), pigs, sheep (lambs), chickens and turkeys. Treatment and metaphylaxis of enteric infections caused by non-invasive *E. coli* susceptible to colistin. The presence of the disease in the herd should be established before metaphylactic treatment.

Contraindications: Do not use in case of hypersensitivity to colistin or to any of the excipients. Do not use in case of resistance to polymyxins. Do not use in horses, particularly in foals, since colistin, due to a shift in the gastrointestinal microflora balance could lead to the development of antimicrobial associated colitis (Colitis X), typically associated with *Clostridium difficile*, which may be fatal.

Withdrawal period: - **Calves, lambs and pigs:** Meat and offal: 1 day. - **Chickens and turkeys:** Meat and offal: 1 day. Eggs: Zero days.

Special warnings for each target species: As an adjunct to treatment, good management and hygiene practices should be introduced in order to reduce the risk of infection and to control the potential build up of resistance. Colistin exerts concentration-dependent activity against Gram-negative bacteria. Following oral administration high concentrations are achieved in the gastrointestinal tract, i.e. the target site, due to the poor absorption of the substance. These factors indicate that a longer duration of treatment than the one indicated in section "Amounts to be administered and administration route", leading to unnecessary exposure, is not recommended.

Special precautions for use in animals: Do not use colistin as a substitute for good management practices. Colistin is a last resort drug in human medicine for treatment of infections caused by certain multi-drug resistant bacteria. In order to minimise any potential risk associated with widespread use of colistin, its use should be limited to treatment or treatment and metaphylaxis of diseases, and should not be used for prophylaxis. Whenever possible, colistin should only be used based on susceptibility testing. Use of the product deviating from the instructions given in the SPC may lead to treatment failures and increase the prevalence of bacteria resistant to colistin. In the case of newborn animals and animals with severe gastrointestinal and renal disorders, systemic exposure to colistin may be increased. Neuro- and nephrotoxic alterations may occur.

Special precautions to be taken by the person administering the veterinary medicinal product to animals: People with known hypersensitivity to polymyxins, such as colistin, should avoid contact with the veterinary medicinal product. Avoid direct contact with skin and eyes while handling the product. The use of gloves and protective goggles while handling and dosing is recommended. Wash splashes from skin immediately with soap and plenty of water. In case of accidental eye exposure, wash with plenty of water and seek medical attention immediately and show the label to the physician. If you develop symptoms following exposure such as skin rash, you should seek medical advice and show the physician this warning. Swelling of the face, lips or eyes or difficulty in breathing are more serious symptoms and require urgent medical attention. Wash hands after use.

Presentations: Vial of 100 ml. Bottle of 1L and 5L.

To be supplied only on veterinary prescription.

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Colfive



Your problem: *Escherichia coli* Your ally: **Colistin**

- *E. coli* is part of the **normal intestinal flora**. In stressful situations (related to deficient sanitary conditions, inappropriate temperatures, sudden feed changes, etc.) the bacteria may rapidly multiply.
- Colibacillosis symptoms include **diarrhoea** that can lead to septicaemia and death.
- It represents an **important cost** in terms of casualties, growth delays and drops in milk and egg production.
- Antibiotic belonging to polymyxin group, active against gram negative bacteria, such as **enterobacteriaceae** and in particular *Escherichia coli*.
- **Concentration-dependent bactericidal** action
- After oral administration no toxicity problems occur due to its **poor intestinal absorption**.
- **Resistance** to colistin is **rare**.

Polymyxin E is the sum of **5 polypeptides** (E1, E2, E3, E1-I y E1-7MOA).

Oral solution with **5 MIU/ml** colistin (sulfate) = Polymyxin E.

The excipient contains buffering agents to ensure **pH 5**, which is optimal for the activity of benzyl alcohol (preservative) and thus the stability of the product.

Colfive

Duration of treatment is minimum 3 days and maximum **5 days**.

Indicated for the treatment and metaphylaxis of enteric infections caused by non-invasive *E. coli* in **5 species**: calves, pigs, lambs, chickens (broilers and hens) and turkeys.

Give me five !

5 reasons to use Colfive



Easy to use

Presolubilization is not needed before water dilution



Eco-friendly

Thanks to its high concentration minimises packaging waste management



Reduces logistic costs in transport



Saves storage space



Several presentations

Bottles of 100 ml, 1 L and 5 L

Dose and withdrawal time

Pigs, lambs and calves

0.2 ml of Colfive/10 kg b.w./day
3-5 consecutive days

$$\text{Colfive} \frac{(\text{ml}/1000 \text{ L})}{=} \frac{20 \times (\text{kg of animal})}{(\text{L of water intake})}$$

Administration in water and milk

Chickens and turkeys

15 ml of Colfive/1.000 kg b.w./day
3-5 consecutive days

$$\text{Colfive} \frac{(\text{ml}/1000 \text{ L})}{=} \frac{15 \times (\text{kg of animal})}{(\text{L of water intake})}$$

Administration in water



Withdrawal time:
Meat: 1 day
Eggs: 0 days