

## PROPOSAL FOR PACKAGING, LABELLING AND PACKAGE INSERT

### Label-leaflet

**KARIDOX 100 mg/ml oral solution for use in drinking water for chickens and pigs**

Doxycycline

1-L bottles

5-L barrels

1. **NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER AND OF THE MANUFACTURING AUTHORISATION HOLDER RESPONSIBLE FOR BATCH RELEASE, IF DIFFERENT**

Marketing authorisation holder:

Laboratorios Karizoo S.A  
Polígono Industrial La Borda  
Mas Pujades, 11-12  
08140 Caldes de Montbui  
Barcelona  
Spain

Manufacturer for the batch release:

LABORATORIOS KARIZOO, S.A.  
Polígono Industrial La Borda  
Mas Pujades, 11-12  
08140 – CALDES DE MONTBUI (Barcelona)  
Spain

Distributed by:

LABORATORIOS KARIZOO, S.A.  
Polígono Industrial La Borda  
Mas Pujades, 11-12  
08140 – CALDES DE MONTBUI (Barcelona)  
Spain

**2. NAME OF THE VETERINARY MEDICINAL PRODUCT**

KARIDOX 100 mg/ml oral solution for use in drinking water for chickens and pigs  
Doxycycline

**3. STATEMENT OF ACTIVE AND OTHER SUBSTANCES**

Composition per ml:

**Active substance:**

Doxycycline .....100 mg  
(equivalent to Doxycycline hyclate 116.0 mg)

**4. PHARMACEUTICAL FORM**

Oral solution for use in drinking water.  
Clear, dense, brownish-yellow solution.

**5. TARGET SPECIES**

Chicken (broilers) and pigs.

**6. INDICATIONS**

CHICKENS (BROILERS)

Prevention and treatment of, chronic respiratory disease (CRD) and mycoplasmosis caused by microorganisms sensitive to doxycycline.

PIGS

Prevention of clinical respiratory disease due to *Pasteurella multocida* and *Mycoplasma hyopneumoniae* sensitive to doxycycline.

The presence of the disease in the herd should be established before treatment.

**7. CONTRAINDICATIONS**

Do not use in case of hypersensitivity to tetracyclines.  
Do not use in case of resistance to tetracyclines occurs.  
Do not use in animals with hepatic dysfunction.

**8. ADVERSE REACTIONS**

Allergic and photosensitivity reactions can occur. Intestinal flora may be affected if treatment is very prolonged, and this may result in digestive disturbance.

If suspected adverse reactions occur, treatment should be discontinued.

If you notice any serious effects or other effects not mentioned in this leaflet, please inform your veterinary surgeon.

## 9. **METHOD AND ROUTE OF ADMINISTRATION**

ORAL ROUTE, IN DRINKING WATER

The following dosage advice should be followed:

- CHICKEN (broilers): 11.5 – 23 mg doxycycline hyclate / kg body weight / day, corresponding to 0.1 -0.2 ml of the veterinary product per kg body weight, for 3-5 consecutive days. .
- PIGS: 11.5 mg doxycycline hyclate/ kg body weight / day, corresponding to 0.1 ml of the veterinary product per kg body weight, for 5 consecutive days. .

Based on the recommended dose, and the number and weight of the animals to be treated, the exact daily amount of the veterinary product should be calculated according to the following formula:

$$\frac{\text{X ml veterinary product/ kg b.w./day}}{\text{Mean daily water consumption (l) per animal}} \times \text{Mean body weight (kg) of animals to be treated} = \text{X ml veterinary product per l drinking water}$$

Medicated water should be the only drinking source.

## 10. **ADVICE ON CORRECT ADMINISTRATION**

To ensure a correct dosage body weight should be determined as accurately as possible to avoid underdosing. The uptake of medicated water is dependant on the clinical condition of the animals. In order to obtain the correct dosage, the concentration in drinking water may have to be adjusted.

The use of suitably calibrated weighing equipment is recommended if part packs are used. The daily amount is to be added to the drinking water such that all medication will be consumed in 24 hours. Medicated drinking water should be freshly prepared every 24 hours. It is recommended to prepare a concentrated pre-solution – approximately 100 grams product per litre drinking water – and to dilute this further to

therapeutic concentrations if required. Alternatively, the concentrated solution can be used in a proportional water medicator.

The remaining medicated water should be disposed of in accordance with local requirements.

If no improvement in clinical signs is seen within the treatment duration, the diagnosis should be reviewed and treatment changed.

## 11. **WITHDRAWAL PERIOD**

Meat & offal:

Chickens (broilers): 7 days.

Pigs: 7 days.

Eggs: Not permitted for use in laying birds producing eggs for human consumption

## 12. **SPECIAL WARNINGS, IF NECESSARY**

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

Sick animals may have a reduced appetite and altered drinking patterns and should, if necessary, be medicated parenterally.

In cases of altered food or drinking water uptake, the concentrations should be adjusted in such a way that the recommended dosage is achieved.

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

The product should not be used during pregnancy or lactation.

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

Prolonged or repeated use of this veterinary medicinal product is discouraged. Attention should be paid to avoidance of stressful conditions and improvement of management practices and hygiene standards.

Avoid administration in oxidised drinking equipment.

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 and farm level) epidemiological information about susceptibility of the target bacteria, taking into account official national antimicrobial policies. Inappropriate use of the product may increase the prevalence of bacteria resistant to doxycycline and may decrease the effectiveness of treatment with tetracyclines, due to the potential for cross-resistance.

Due to variability (time, geographical) in susceptibility of bacteria for doxycycline, bacteriological sampling and susceptibility testing of micro-organisms from diseased birds on farm are highly recommended.

A high resistance rate of *E.coli*, isolated from chickens, against tetracyclines has been documented. Therefore the product should be used for the treatment of infections caused by *E.coli* only after susceptibility testing has been carried out.

As eradication of the target pathogens may not be achieved, medication should therefore be combined with good management practices, e.g. good hygiene, proper ventilation, no overstocking.

Doxycycline absorption may be reduced by the presence of high quantities of calcium, iron, magnesium or aluminium in the diet. Do not administer together with antacids, kaolin and iron preparations.

Do not administer together with bactericidal antibiotics.

The solubility of the product is pH dependent and will precipitate if mixed in alkaline solution.

Do not administer with milk replacers.

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

Tetracyclines may – in very rare cases – induce photosensitivity and allergic reactions.

Do not handle the product if you are hypersensitive to tetracyclines.

Wear gloves, work overall and approved safety glasses.

This product is acid and likely to be irritant. Avoid contact with skin and eyes. In case of contact with skin, rinse immediately with plenty of water.

In case of contact with eyes, rinse immediately with copious amounts of water and seek medical advice.

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

The product can be harmful by skin contact and inhalation and may cause eye irritation.

In case of accidental ingestion seek medical advice and show the label to the doctor.

If any symptom should appear, such as a cutaneous eruption, seek prompt medical advice. Swelling of the face, lips or eyes or respiratory difficulties are the most serious signs which require urgent medical attention.

**Incompatibilities**

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

**Overdose (symptoms, emergency procedures, antidotes)**

No data available.

**13. EXPIRY DATE**

EXP:

Once diluted, use within 24 hours.

Once opened, use within 28 days.

**14. SPECIAL STORAGE CONDITIONS**

Do not store above 25°C.  
Protect from light.

**15. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY**

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

**For animal treatment only  
Keep out of the reach and sight of children**

**Date on which the package leaflet was last approved:**

**Marketing authorisation number:**

Vm 31223/4000

A handwritten signature in black ink, consisting of several vertical strokes followed by a horizontal line and a long, sweeping flourish that extends to the right.

Approved 20 February 2018