



High content in vitamin C



# Labhidro<sup>®</sup> AD3E +C

Oral solution

## Against heat stress and critical situations

- ✓ In hot or excessively humid climates
- ✓ Periods of maximum production
- ✓ Demanding physiological stages
- ✓ In cases of decrease in the fertility rate

## Powerful combination of vitamins

- ✓ Balanced concentration of vitamins
- ✓ Very palatable
- ✓ Perfect food supplement
- ✓ Facilitates food intake

## Excellent administration

- ✓ Does not precipitate: does not obstruct drinking troughs
- ✓ The animals accept it very well



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## The best vitamin metaphylaxis



**Vitamins A, D3 and E** have numerous interdependencies, which determines their presentation associated with the purpose of remedying or covering deficiencies of each of them, as well as to exert a general strengthening and metaphylactic action.

### Vitamin A (retinol):



Maintains the structure and function of the epithelial cells. Stimulates the production and differentiation of the mucus-secreting cells. It plays a defined role in the visual process. It is necessary for spermatogenesis in the males and for maintenance of pregnancy in the females. It maintains the activity of bone remodelling and growth.

### Vitamin D3 (cholecalciferol):



It is synthesized in the epidermis by the action of UV radiation on a precursor molecule. It is essential in the regulation of the metabolism of calcium and phosphorus, increasing intestinal and tubular absorption of calcium; in addition, it is necessary for the appropriate mineralization of the cartilage matrix that develops in bone epiphyses.

### Vitamin E (tocopherol):



It has antioxidant activity, exerting a protective effect of vitamin A. It prevents the oxidation of the membrane's polyunsaturated fatty acids, preventing the formation of free radicals and of peroxides which are the cause of cell degeneration and destruction.

### Vitamin C (ascorbic acid) completes and enhances antioxidant action and general strengthening

- Improves the cellular immune response: greater resistance to infectious diseases.
- Increases the synthesis of collagen: stronger tendons.
- Fights stress (due to heat, transport, handling, etc.).
- Increases calcium absorption and the mobilization of the bone minerals.
- Participates in the synthesis of the steroid hormones.

## COMPOSITION PER LITRE

*Vitamins, provitamins and chemically defined substances with similar effect:*

Vitamin A (3a672b) .....	50,000,000 IU
Vitamin D3 (E-671) .....	200,000 IU
Vitamin C / Ascorbic acid (3a300) .....	100 g
Vitamin E (all-rac- $\alpha$ -tocopheryl acetate) (3a700) .....	50 g

*Antioxidants:*

Butylated hydroxytoluene (BHT) (E-321) .....	2.5 g
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*Preservative:*

Sorbic acid (E-200) .....	1 g
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## INDICATIONS

- Avitaminosis A, D or E.
- Decrease in the fertility rate.
- Increase resistance against diseases.
- For faster growth, parasitism, in case of hot or excessively humid weather, treatments, changes in the shelter or food, etc.
- As a general stimulant of weary or weakened animals of all species, in critical periods of the animals' life, such as periods of reproduction, pregnancy and lactation.

## DOSAGE AND ADMINISTRATION

Administration for at least 7 days.

**Bovine, ovine and caprine:**

Adults: 0,25 ml/litre in drinking water/day.

Calves, lambs and kids: 0.7 ml/litre in drinking water/day.

**Horses:**

Adults: 0.65 ml/litre in drinking water/day.

Foals: 0.5 ml/litre in drinking water/day.

**Poultry:**

Broiler chickens: 0.5 ml/litre in drinking water/day.

Laying hens: 0.6 ml/litre in drinking water in two consecutive days.

**Rabbits:** 0.3 ml/liter in drinking water/day.

Oral administration in drinking water.

## USE DURING PREGNANCY AND LACTATION

Can be used during pregnancy, lactation and oviposition.

## OVERDOSAGE

In case of overdosage signs of hypervitaminosis may appear.

In these cases, cease treatment and follow the indications of the veterinary.

## ADVERSE REACTIONS

Do not use simultaneously in conjunction with other preparations of vitamin D2.

## SPECIAL PRECAUTIONS FOR STORAGE

Store in a dark place. The temperature must not exceed 25 °C.

Shelf life: 24 months.

## PRESENTATIONS

200 ml and 1 litre bottles.

5 litre jug.

$\alpha$ ESP - 08100341

