



Adapted  
composition



# Labhidro<sup>®</sup> AD3E Liquid

Vitamin premix in oral solution

## For critical periods

- ✓ Periods of maximum production
- ✓ Demanding physiological stages
- ✓ In cases of decrease in the fertility rate
- ✓ Against deficiencies in vitamins A, D and E

## Combination of oral vitamins

- ✓ Products with concentrations of vitamins adapted to each need: 100/10/40 and 100/20/20
- ✓ Very palatable

## Convenience of use

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



**LABIANA**  
*always works*

# Labhidro<sup>®</sup> AD3E Liquid Vitamin premix in oral solution



## 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 activity 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.

## COMPOSITION PER LITRE

Vitamins, provitamins and chemically defined substances having a similar effect:

### 100/10/40

Vitamin A (3a672b) .....	100,000,000 IU
Vitamin D3 (E-671) .....	10,000,000 IU
Vitamin E (3a700) .....	40 g

### 100/20/20

Vitamin A (3a672b) .....	100,000,000 IU
Vitamin D3 (E-671) .....	20,000,000 IU
Vitamin E (dl- $\alpha$ -tocopheryl acetate) (3a700) .....	20 g
Gelling and emulsifying agents	
Carboxymethyl cellulose (E-466) .....	4.0 g

## INDICATIONS

- Deficiencies of vitamins A, D or E.
- Decrease of the fertility rate.
- Increases resistance against diseases.
- For faster growth, parasitism, in case of hot or excessively damp, treatments, changes in sheltering or feeding, etc.
- As a general stimulant of weary or weakened organisms of all animal species, in critical periods of the animals' life, such as periods of reproduction, pregnancy and lactation.

## DOSAGE AND ADMINISTRATION

Oral administration, in drinking water.

**All target species:** 0.5 ml/litre of drinking water.

## CONTRAINDICATIONS

Do not administer simultaneously with vitamin D2.

## SPECIAL PRECAUTIONS FOR STORAGE

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

Shelf life: 24 months.

## PRESENTATION

200 ml and 1 litre bottles.

5 litre jug.

$\alpha$ ESP-08100341

