

# **Emcelle® – Tocopherol**

(500 IU Natural Vitamin E per ml)

**CATALOG# 0010111**

## **Description**

**EMCELLE-TOCOPHEROL** is a clear, micellized, water-dispersible, solution of vitamin E. The product is specially formulated for use in liquid diets, mixed into drinking water, or top-dressed onto dry feeds at time of feeding. The product should not be mixed into complete feeds and stored for extended periods of time.

The vitamin E activity is provided as d-alpha-tocopherol, a natural-source and biologically active form of vitamin E. This form of vitamin E, although less stable than tocopheryl-esters, does not have to be hydrolyzed prior to absorption. This seems to be of greater importance to young animals that may have a deficiency of esterase enzyme necessary to cleave the tocopheryl-esters prior to absorption and exotic animals such as the elephant and rhinoceros.

The micellized form also enhances the ability of animals to utilize vitamin E. The micellization process allows the fat-soluble vitamin to be absorbed more readily than dry, oil-based, or emulsion-forms of vitamin E.

## **Ingredients**

Vitamin E supplement (d-alpha-tocopherol), polyethoxylated castor oil, water, and n-propyl alcohol.

## **Feeding Directions**

This product contains 500 IU vitamin E activity per 1 ml. It is designed to be fed at a daily rate of 1-3 IU per pound of body weight (2-6 IU per kg). As an example, a 100 lb animal would require 0.2 to 0.6 ml daily to provide 100 to 300 IU vitamin E activity. A 1000 lb animal would require 2 to 6 ml daily to provide 1000 to 3000 IU vitamin E activity. The product may be diluted with water immediately prior to feeding.

The selected dosage should depend upon previous as well as existing feeding and management practices that affect animals' vitamin E status. The most important factors that increase the need for supplemental vitamin E are:

- Low plasma tocopherol levels (below 0.2 mg per dL),
- Continual confinement feeding of animals,
- Feeding poor quality, long-stored roughages,
- Feeding milk replacers that contain tocopheryl-acetate to young animals, and
- Feeding high levels of polyunsaturated fatty acids (PUFA's).

## **Package Size**

- Available in 1 liter (33.8 fl oz) plastic bottles.

## **Storage Directions**

Store at room temperature or under refrigeration. Avoid freezing and excessive heat.

Available at our TestDiet® Unit (765)966-1885

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