

Nutrazu[®] Emcelle - Tocopherol **(500 IU Natural Vitamin E per ml)**

(Available at our TestDiet Unit (765)966-1885/testdiet@purinamills.com)

Description

Nutrazu[®] Emcelle - Tocopherol is a clear, micellized, water-dispersible, aqueous 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 α -tocopherol, a natural-source and biologically active form of vitamin E. This form of vitamin E, although less stable than ester forms of tocopherol, 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.

Package Size

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

Feeding Directions

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

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).

Storage Directions

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

