



PRODUCT DATA SHEET



EMCELLE®-TOCOPHEROL

MICELLIZED, WATER-DISPERSIBLE, LIQUID VITAMIN E
(*d-alpha*-tocopherol liquid concentrate, 500 I.U. per ml)
NDC 59007-3001-1

DESCRIPTION

EMCELLE-TOCOPHEROL is a clear, micellized, water-dispersible, liquid solution of vitamin E. The product is specially formulated for use in liquid diets or mixed into milk-replacer at time of feeding. The product should not be mixed into complete feeds and stored for extended periods of time due to the vitamin E activity is provided as *d-alpha*-tocopherol (RRR-*alpha*-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 in the calf's intestinal tract prior to absorption. This is the same form as in cow's colostrum and milk. This is of greatest importance to young calves that may have a deficiency of esterase enzymes necessary to cleave the ester from the tocopheryl moiety prior to absorption. Calves do not efficiently utilize vitamin E-acetate that is supplemented in milk replacers (See Figure).

The micellization process enhances the ability of calves to utilize vitamin E. This process allows the fat-soluble vitamin E to be absorbed more readily than either powders or oily-forms of vitamin E.

PACKAGE SIZE

Available in 1 liter (33.8 fl oz) plastic bottles. Twelve bottles per shipper.

FOR ANIMAL USE ONLY – NOT FOR HUMAN USE

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



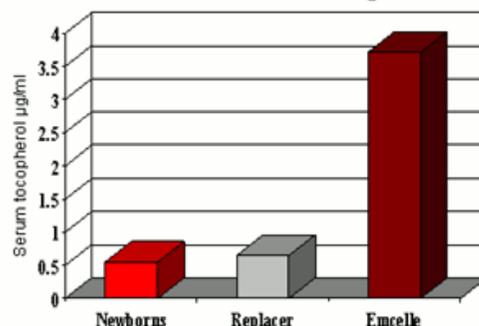
FEEDING DIRECTIONS

Feed at the daily rate of .2 to .6 mL per 100 lb. of body weight to provide 1 to 3 I.U. vitamin E per pound of body weight. The selected dosage should depend upon previous as well as existing nutritional and management practices that affect animals' vitamin E needs.

EMCELLE-TOCOPHEROL may be mixed into liquid diets, top-dressed onto dry feeds at time of feeding, or proportioned into drinking water. The product is not intended to be mixed into complete feeds and stored for extended periods of time due to the unstable form of vitamin E in the product.

EFFICACY STUDIES

Vitamin E Status of Dairy Calves Receiving **EMCELLE TOCOPHEROL** Compared to Conventional Program



Each value represents the mean of 12 calves. **EMCELLE** was fed at the rate of 100 I.U. (0.2 ml) per day for four weeks