

College of Veterinary Medicine

March 28, 2003

To: Anthony Kleinsmith, US Colostrum Products

From: Dr. Donald H. Lein, D.V.M., Ph.D. *Donald H. Lein*

Subject: Bovine Colostrum

The bovine colostrum produced by Anthony Kleinsmith and others have been extensively evaluated by Minnesota Valley Testing Laboratories, a premier dairy testing facility, and in the laboratories at the College of Veterinary Medicine, Cornell University. Review of the derived data and comparison of it with data reported in the scientific literature clearly substantiates that there are major differences between what is and is not colostrum.

Anthony Kleinsmith's Product is:

- (a) Colostrum from the first milking after the birth of the calf based on a full analysis from MVTL and Cornell University.
- (b) Colostrum that is collected within six hours (6) after the birth of the calf, again based on a full analysis from MVTL and Cornell University.

New Zealand's Product is:

- (c) Not colostrum. After careful review of the New Zealand "colostrum" product by MTVL and Cornell University it absolutely does not meet the scientific criteria for being considered colostrum.
- (d) Based upon the above-mentioned analysis the product is Transitional Milk.

Other Product's:

- (e) Not colostrum. After careful review of other "colostrum" products sold for human consumption by MTVL and Cornell University, the products do not meet the scientific qualifications to be considered colostrum.
- (f) Based upon the above-mentioned analysis the products are Transitional Milk.

Based upon the considerable amount of scientific evidence, many colostrum products that are sold for human consumption do not meet the scientific criteria that are required to be considered colostrum. The products from New Zealand and other countries fit the scientific models for Transitional Milk and would therefore not provide the health benefits that humans are looking for.