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The Second Symposium on Gut Health in Production of Food Animals was recently held (November 11–13) in Kansas City, Missouri. Scientists from academia, government and industry as well as graduate students from many institutions presented research on many aspects of gut function on animal health and production. The avian, porcine and bovine species were examined in depth and featured speakers summarized the latest findings pertaining to gut function in our food animals. As the organizing committee chair, Mike Kogut said, “...we are all working together to improve food quality for the consumer”.

Enz-A-Bac was represented at the recent Gut Health Symposium with paper/presentation No. 207: Estimated metabolizability of diets fed to lactating dairy cows containing Immunis3 or yeast culture. C. A. Old^{*1}, D. R. Daley², J. H. Killen², and K. M. Scallon², ¹*Antelope Ranch, LeGrand, CA, USA*, ²*Enz-A-Bac Advanced Products, Twin Falls, ID, USA*. Dr. Old presented trial results from a working California Dairy comparing yeast culture and the combination product Immunis3 (hydrolyzed and live yeast, viable lactic acid bacteria, digestive enzymes and zeolite) in the diets of lactating Holstein cows. Dr. Old concluded that “...increases in Q(estimated of metabolizability) are indicative of reduced fecal, urinary and gaseous energy losses consistent with the role of hydrolyzed yeast, yeast

and LAB in enhancing utilization”.

Immunis3 vs Yeast Culture is not so much a choice of which is better to include in high production, stressed animal’s diets, but rather which is the best solution to modern production system problems. As newer research defines gut function better, we should tailor our solutions to the combination of factors causing losses rather than a single factor. **Immunis3** is a combination of solutions for a combination of problems. Simple yeast cultures may aid in rumen function but do very little for intestinal function where nutrient absorption, hormone signaling, immunity activity and bacterial assaults take place. **Immunis3** addresses fiber digestion in the rumen, nucleotide supply for rapid intestinal cell turnover, pathogen binding in the digestive tract and lactic acid producing bacteria important to the maintenance of gut pH. It is a modern solution to modern production problems.

Dr. Old’s work shows that this approach improves metabolic efficiency in Dairy Cows. What would improved efficiency of production be worth to you? Let us help you to help your animals and business. **Contact our technical representative** in your area ([enzabac.com/purchase/sales staff](http://enzabac.com/purchase/sales-staff)). You can always call (877)736-1607, FAX (208) 735-8418 or email us at enzabac@enzabac.com. We look forward to helping you and your animals.

-J.H.Killen, Ph.D, P.A.S.



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