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A science-based understanding of what is going on inside your dairy cows in all their life stages can boost your bottom line. Diamond V Dairy Advisors can help you "see inside."

For example, the dairy cow's biology coordinates the use of energy and nutrients to support milk production and other body functions, including her immune system, depending on her stage of life. By understanding her biology in all life stages, you can provide support for her biological priorities at each stage.

Her feed produces volatile fatty acids in the rumen, which in turn produces glucose in the liver. Glucose is a cow's primary energy source for both milk production and the immune system. Excessive and unnecessary expenditure of glucose to fuel the immune system diverts it from being converted to lactose for milk. This diversion of glucose can result in a decrease in milk production.

#### Glucose partitioning



#### Advisor Access

## Her biological priorities: Ask a Dairy Advisor about NutriTek®



**Clayton Gill**  
Editor  
Diamond V

You can help her to optimize glucose partitioning and avoid unnecessary immune responses that drain energy and nutrients away from her primary biological focus during transition and lactation, which is to produce milk. That's a big part of the job of NutriTek®, Diamond V's next generation dairy technology. By working in synergy with her biology, NutriTek supports her capacity to initiate and manage an appropriate immune response to any production challenges.

As our most advanced nutritional health product, NutriTek provides a new level of support for optimal digestive health and balanced immune function for all dairy animals. NutriTek consists of research-proven bioactive compounds, including the power of antioxidants and polyphenols produced through precision fermentation processes exclusive to Diamond V. These DV Bioactives™ work synergistically to support immune health and performance year-round in all dairy animals.

NutriTek optimizes digestive function by supporting naturally occurring microflora that favor optimal rumen function. It helps maintain a favorable rumen environment under a wide range of feeding and management conditions. Research shows that feeding NutriTek supports:

- Rumen health
- Dry matter intake in early lactation
- Maintenance of body weight in early lactation
- Efficient feed utilization
- Milk production over the entire lactation

High milk production is the expression of the modern dairy cow's finely coordinated biology. Not every cow or every herd can fully reach its genetic potential. But to improve the likelihood of success, you can take advantage of next generation dairy technology to optimize digestion, stabilize the gastrointestinal environment, and help maintain a balanced immune system.



NutriTek brings unique, natural, nutritional health support for the modern dairy cow's natural capacity for high performance. To learn more about NutriTek and supporting research:

- Text "NutriTek" to 31996
- Visit the [NutriTek web page](#) (5-minute video)
- Contact your Diamond V Representative or call 800.373.7234

And, as always, Diamond V Dairy Advisors are ready to help. Please call on us!

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Thank you!



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