

Scientists Discover Two Longer-Living Lactobacillus Strains

Two new strains of beneficial *Lactobacillus acidophilus*, Priority strain A2010 and A2020, have been isolated for use in dairy cows and calves by Priority International Animal Concepts (IAC).

"New research shows microbial strains A2010 and A2020 survive in a cow's rumen longer, tolerate high concentrations of bile in the intestinal tract, bind to intestinal cells, and help maintain animal health," announced Richard Breunig, Priority IAC president. These characteristics are required for the bacteria to be able to survive and impart their beneficial effect in the harsh rumen intestinal environment.

"Higher levels of beneficial bacteria have been scientifically selected to help maintain a healthy rumen micro flora, keep cows on feed and be better prepared to stay healthy through transitions," Breunig said.

It has long been thought certain beneficial bacteria can aid in the fight against "bad" bacteria or pathogens. Recently Texas Tech and the American Meat Institute published research showing some *Lactobacillus acidophilus* strains could reduce the presence of *E. coli* when fed to beef cattle. Researchers at the University of Georgia's Center for Food Safety published similar findings.

"The research team isolated dozens of strains from dairy cows and tested them under harsh rumen and intestinal environments to find ones that not only survive but thrive," said Breunig. "We wanted to find the right strains to add to the Priority One and Priority Calf formulation that would provide help with the multiple stresses today's high performing animals are experiencing." The new strains will be included in the Priority One and Priority Calf fed product.



DeLaval Offers New Tank Line

KANSAS CITY, Mo. — DeLaval Inc., the world's largest producer of cooling tanks, introduced a new cooling system product line earlier this year. The Century DXC cooling system offers improvements in efficiency, cleaning, temperature control, and tank construction. The Century DXC is available in 11 tank sizes ranging from 800- to 8,000-gallon capacity.

An expanded cooling plate area in a unique plate configuration accelerates cooling speed. The system allows complete compressor operation with as little as 10 percent capacity. The Century DXC condensing unit's advanced technology combines high performance with low energy consumption. Milk temperature is controlled electronically to within one degree of accuracy. Cooling function is monitored with alarms in the event of temperature deviations or power failure.

Programmable controls dispense measured cleaning compounds into the proper cycles, eliminating the need for hand-filled containers. Wash temperatures are electronically controlled and monitored, with warning alarms to signal drops in water temperature or cycle interruptions.

The tank's design is visually upgraded with a distinctive new shape and ergonomic advances like a swing-away tank lid and redesigned ladder. All controls are readily accessible from the front of the tank to facilitate monitoring and maintaining the system. The large, easy-to-read display can be adjusted simply and quickly. The larger tank sizes offer ample space for an optional logo.



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