

ANEVIS[®]

rumen-protected niacin

Rumen-protected niacin delivered to where the cow needs it most.

QualiTech takes great pride in our reputation for quality manufacturing. This reputation has been built and repeatedly proven for more than 50 years. Our policy of quality assurance is based on standards derived from our expertise in human food ingredient manufacturing.

CERTIFICATIONS AND PROGRAMS INCLUDE:

- AFIA Safe Feed / Safe Food
- BRC – Global Food Safety Initiative
- HACCP
- FDA
- Preferred Supplier Program
- Traceability Program



ANEVIS[®] is part of the animal nutrition line of products from QualiTech, Inc. Based in Minnesota, QualiTech offers products and services that help plants, animals, people and the environment thrive.

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ANEVIS (*Ah-NEE-vis*), inspired by the Latin word *nevis* meaning “no stress”, is the primary benefit of adding niacin to the rations of high-producing dairy cows. Unfortunately, as much as 95% of raw niacin may be broken down by rumen microflora before it ever reaches the small intestine, where it’s actually absorbed. Dairy men have been forced to choose between feeding large amounts of raw niacin, hoping enough will make it through, or not adding any niacin at all to the rations of stressed cattle—which is certainly costing producers money.

RESEARCH HAS CLEARLY DEMONSTRATED THAT ADDING SUPPLEMENTAL NIACIN CAN HELP STRESSED ANIMALS IN THREE IMPORTANT WAYS:

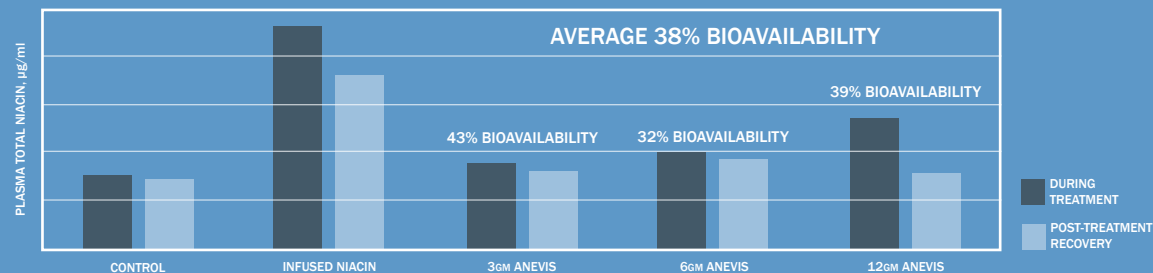
- Regulate plasma nonesterified fatty acids (NEFA) release during the stress of parturition
- Improve energy metabolism during the stress of transition
- Help cows stay cooler under the stress of hot weather

ADVANCED COATING TECHNOLOGY DELIVERS MORE NIACIN TO THE SMALL INTESTINE.

ANEVIS represents a step-change in the way niacin is delivered to ruminant digestive systems. A complex lipid matrix protects the niacin found in ANEVIS from rumen microbial organisms that typically degrade raw niacin, resulting in the following benefits:

- 66.7% of the niacin found in ANEVIS is delivered to the small intestine¹
- ANEVIS provides nearly **8 times** the amount of niacin delivered to the bloodstream compared to raw niacin
- Average bioavailability of the niacin fed through ANEVIS is **38%**²

PLASMA NIACIN RESULTS



¹ J. Dairy Sci. 94 (Suppl. 1):139.
² Unpublished research, University of Illinois, 2010

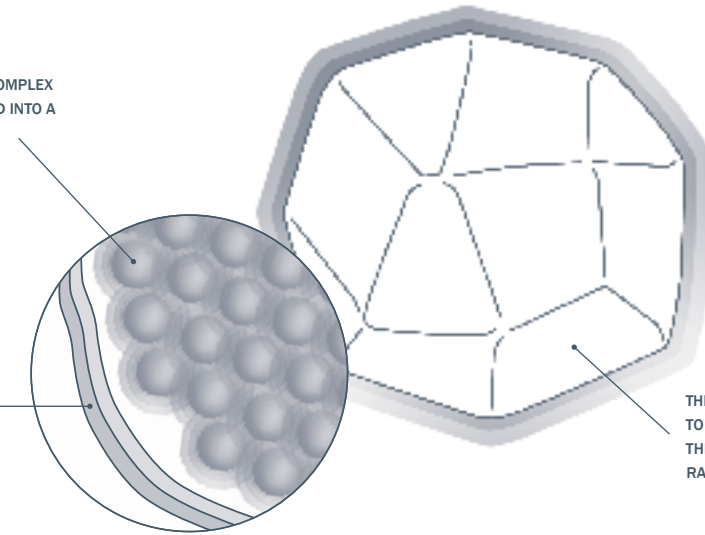
PROVEN BIOAVAILABILITY MAXIMIZES YOUR RETURN ON INVESTMENT.

At the recommended feeding rate of 5-6 grams per head per day, ANEVIS delivers more niacin to the animal’s blood stream than feeding nearly 8 times the amount of raw niacin. More importantly, you can be assured that most of the niacin found in ANEVIS is actually being absorbed by the cow, and not wasted in the rumen by microbial degradation, improving animal performance and your bottom line.

Ounce for ounce, ANEVIS delivers.

RAW NIACIN IS MIXED WITH A COMPLEX LIPID MATRIX AND COMPRESSED INTO A SOLID CENTRAL PARTICLE.

THE PARTICLE IS COATED WITH ADDITIONAL PROTECTIVE LAYERS



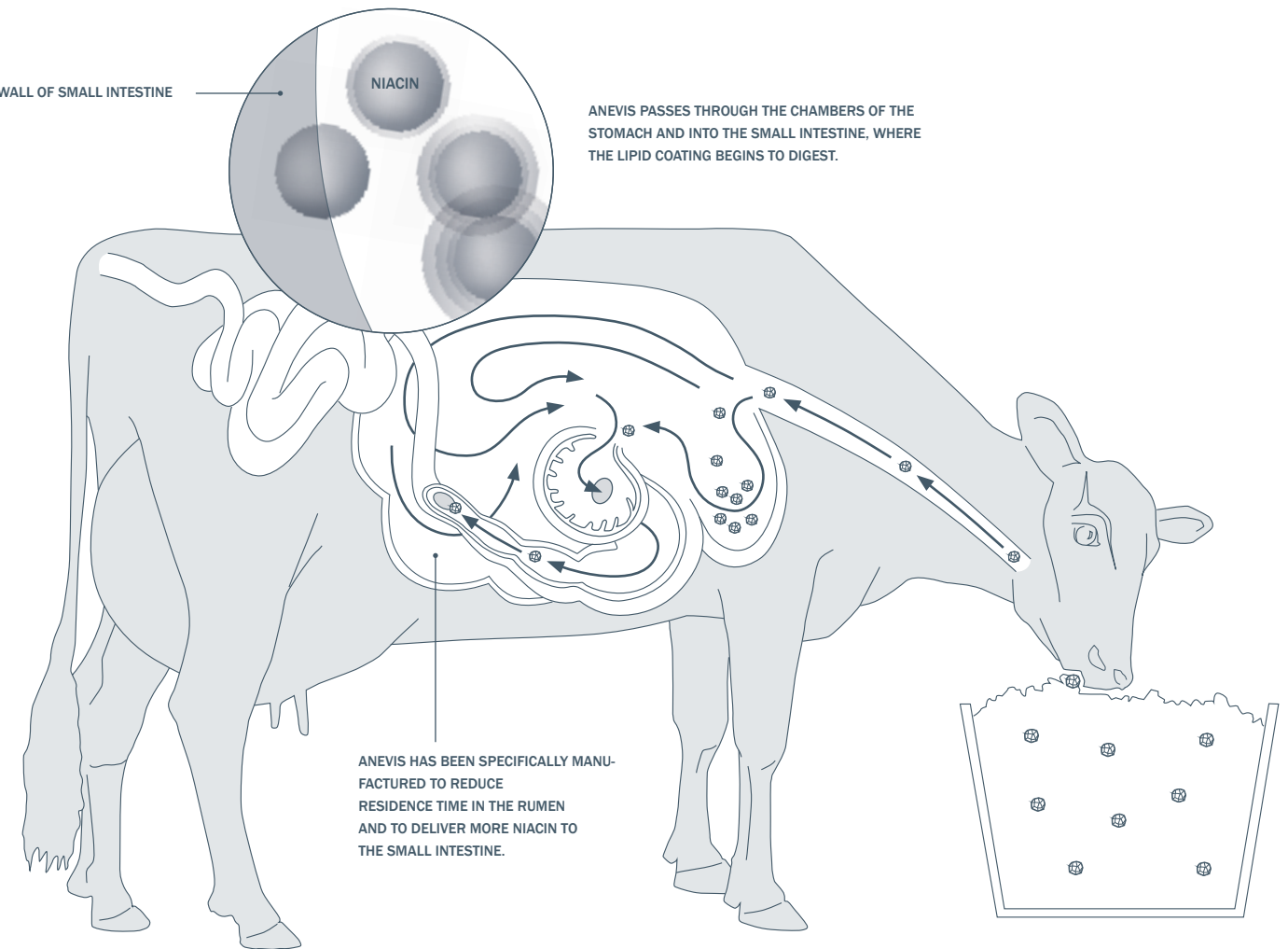
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THE MATRIX IS FORMED INTO PARTICLES TO OPTIMIZE SPECIFIC GRAVITY. THE RESULTING PARTICLE ALLOWS RAPID TRANSIT THROUGH THE RUMEN.

WALL OF SMALL INTESTINE

NIACIN

ANEVIS PASSES THROUGH THE CHAMBERS OF THE STOMACH AND INTO THE SMALL INTESTINE, WHERE THE LIPID COATING BEGINS TO DIGEST.



ANEVIS HAS BEEN SPECIFICALLY MANUFACTURED TO REDUCE RESIDENCE TIME IN THE RUMEN AND TO DELIVER MORE NIACIN TO THE SMALL INTESTINE.

ANEVIS SUSPENDED IN FEED.

KEY BENEFITS OF THE PATENTED TECHNOLOGY:

- Protection against damaging rumen microflora
- Optimum bulk density allows particles to drop to the bottom of rumen
- Enzymatic digestion maximizes nutrient delivery for absorption in the small intestine

FOR MORE INFORMATION ABOUT ANEVIS,
 CONTACT YOUR SALES REPRESENTATIVE AT
1.800.328.5870 OR VISIT
www.qualitechco.com.