

BOVI-LYSINE

rumen-protected lysine

Rumen-protected lysine 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 40 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



BOVI-LYSINE™ 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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BOVI-LYSINE

Rumen-protected for more consistent and balanced lysine delivery.



BOVI-LYSINE

rumen-protected lysine

Lysine matters to a cow's milk production and BOVI-LYSINE delivers it more consistently. QualiTech has developed a patent-pending rumen bypass technology that effectively delivers lysine to the cow's small intestine...where it's best absorbed and used. The research proves it. And unlike other lysine supplement sources (blood meal or traditional rumen bypass lysine products), we've made BOVI-LYSINE plentifully available at a competitive price. So add our rumen-protected lysine solution to your rations and get more lysine through to where it's needed.

TWO RESEARCH STUDIES PROVE BOVI-LYSINE'S EFFECTIVENESS.

STUDY 1. To evaluate the rumen bypass characteristics of BOVI-LYSINE, a comparative study was designed using a marker within the product (Cobalt) and an external marker (Chromium). After feeding and measurement over time, the difference between the two markers indicates the amount of product that escaped rumen breakdown (see figure 1). The study showed that 52.7% of the lysine protected within the product was delivered to the cow's lower intestinal tract, available for absorption.

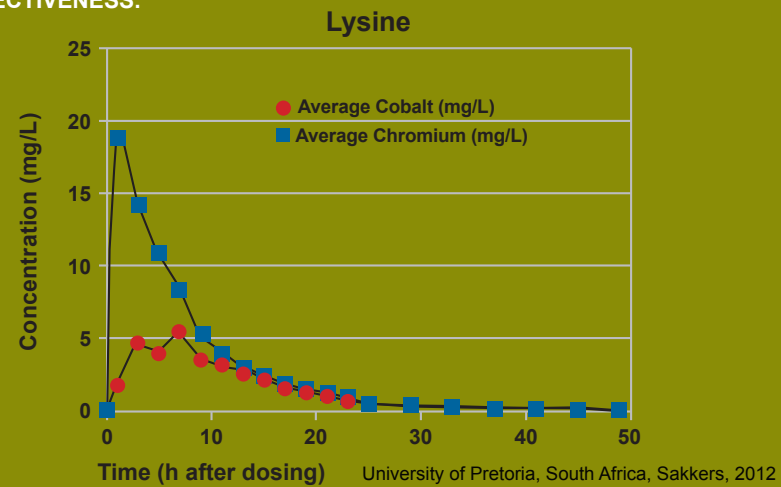


Figure 1. Areas under comparison between marker within the product (Cobalt) and marker outside the product (Chromium).

STUDY 2. A second study evaluated how much of the rumen protected lysine was bioavailable. It compared a control treatment (no additional lysine - baseline measurement), infused lysine (equal to 100 percent bypass) and rumen-protected BOVI-LYSINE. Analysis was conducted on changes in lysine content of the blood plasma (see figure 2). The study showed 26.95% of the lysine product fed was delivered to the blood stream. This equates to 12.73 g of lysine delivered per 100 g of product fed.

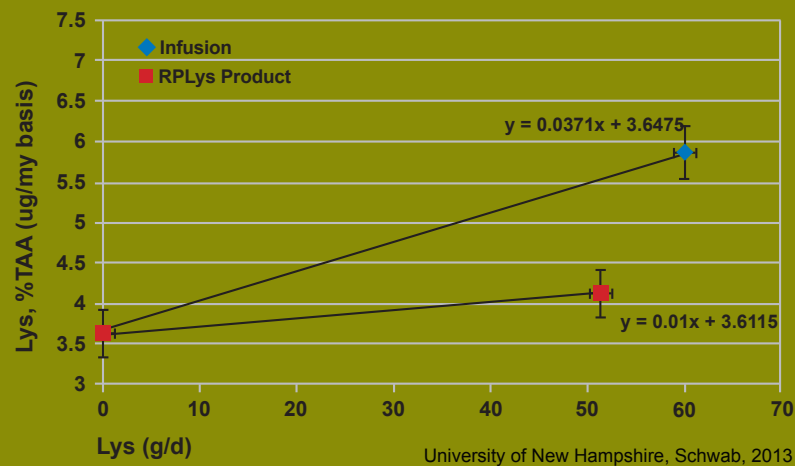


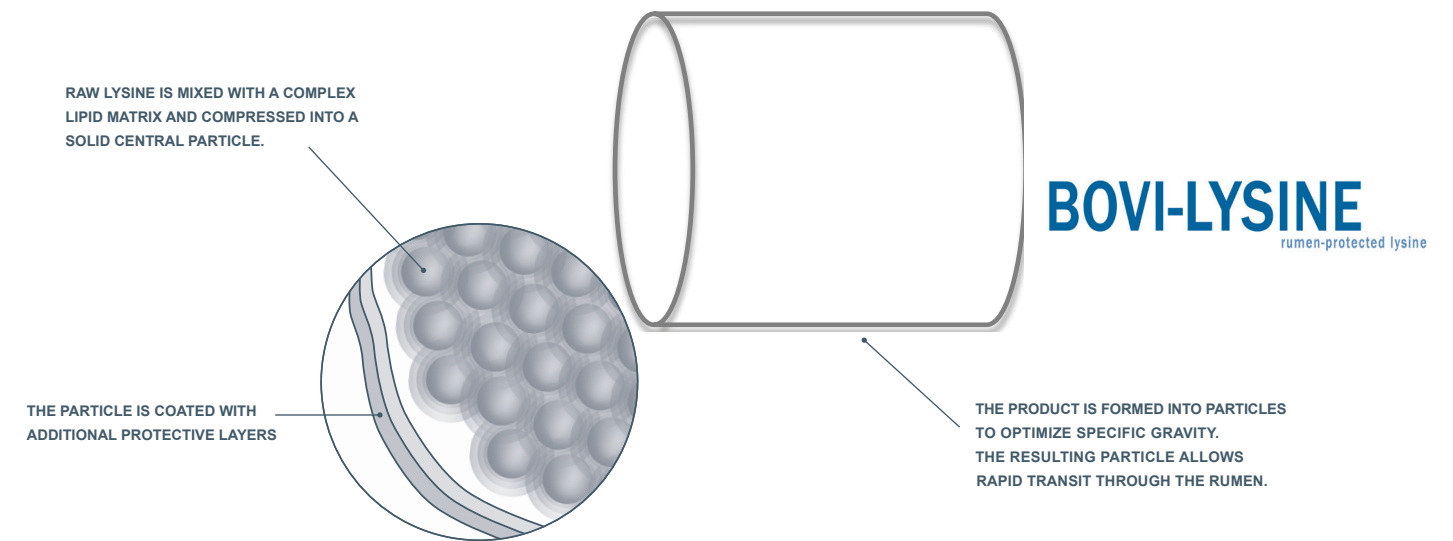
Figure 2. Changes in plasma Lys concentrations (% of total AA, umole) with increasing amounts of infused or fed Lys.

BOVI-LYSINE solves your lysine delivery problems.

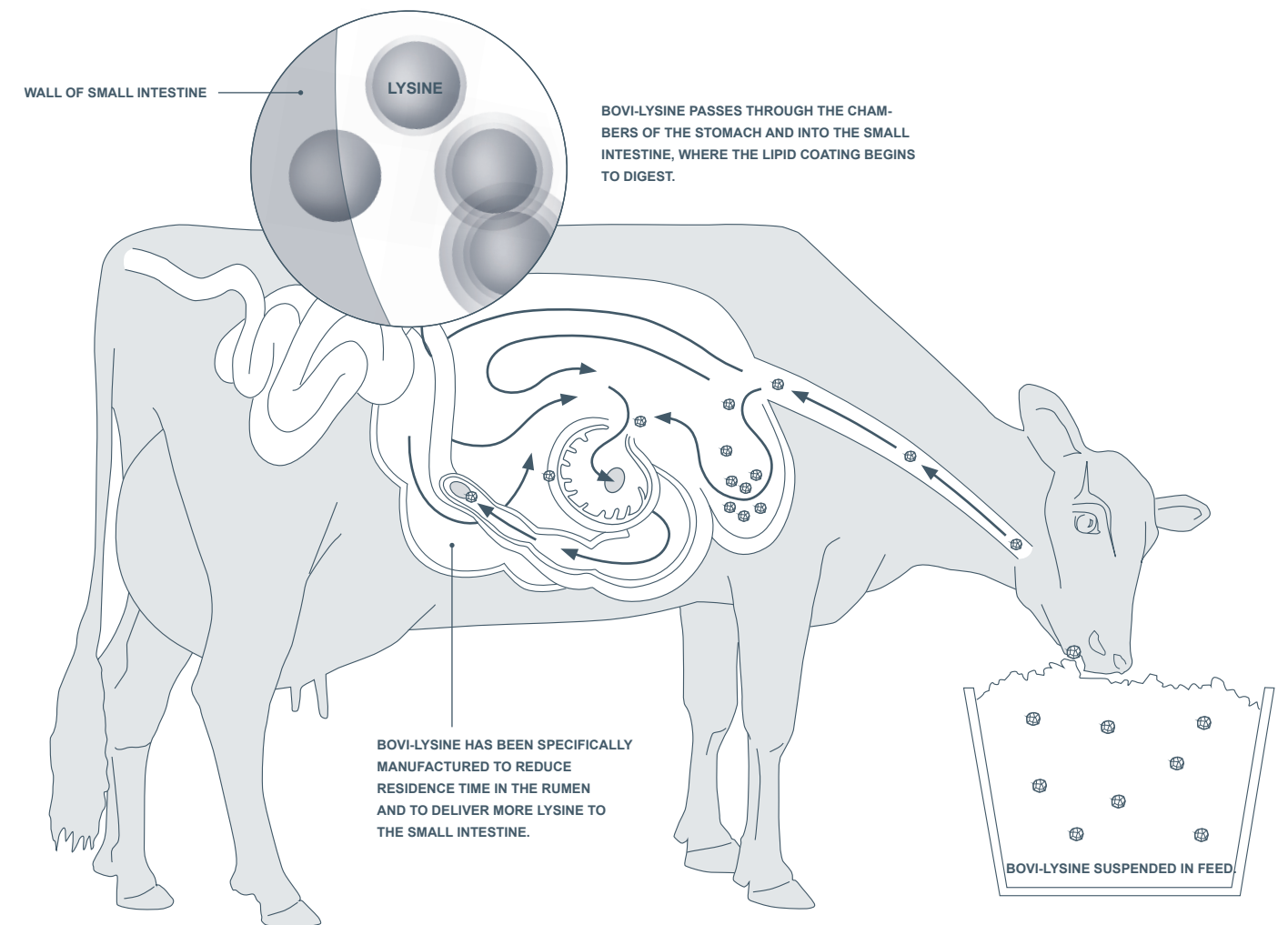
BOVI-LYSINE is effective at protecting lysine from the harsh environment of the rumen and delivering it where the cow needs it: in the small intestine. Once there it releases lysine into the blood stream where the cow can use it to optimize milk production. With the fluctuating pricing and availability of blood meal and other lysine supplements, choose the research-proven product that will consistently deliver the lysine your cows need.

EFFECTIVE. AVAILABLE. RELIABLE. BOVI-LYSINE DELIVERS.

How the BOVI-LYSINE rumen-protection system works.



How BOVI-LYSINE is used by the cow.



KEY BENEFITS OF THE PATENT PENDING 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 BOVI-LYSINE,
CONTACT YOUR SALES REPRESENTATIVE AT
1.800.328.5870 OR VISIT
www.qualitechco.com.