A Unique Way to Support Joint Health

Works by targeting the horse’s immune system to stop the cycle of joint pain and discomfort.
**Oral tolerization** works like many other allergy treatments (think peanut, ragweed, or whatever else may cause an allergic response in a person). Small exposure to the causative problem source over time gradually allows the immune system to desensitize and respond less aggressively; allowing for reduced clinical signs, irritation and inflammation. Scientific findings show that the horse’s own immune system can play a significant role in impacting normal joint function.

Normal wear and tear on cartilage can take a toll on joints. Loose bits of collagen released from cartilage in the joint fluid can be recognized as foreign bodies which activate the immune system. As normal joints are sterile and free of any debris, immune cells (specifically T-cells) will mount an aggressive response to destroy these collagen fibers. Despite the immune system’s best intentions, this reaction may cause more harm than good. In fact, the whole cascade can escalate as these mediators cause more cartilage damage, resulting in more foreign material in the joint fluid along with subsequent swelling and soreness. It’s a vicious cycle that can perpetuate the condition and impair healthy joint functions.

Loose collagen

T-cell reaction

Autoimmune inflammation/damage

UCII targets the horse’s immune system in a process called “oral tolerization”. Once **UCII** is ingested, it interacts with gastrointestinal Peyer’s patches. This consistent exposure causes immune cells to become more tolerant and less reactive to type-II collagen. Immune cells can then remotely “learn” to ignore collagen when they encounter it in joints. **UCII** helps to support healthy immune system function and make immune cells less sensitive to the damaged collagen within the joints.

**UCII** is a unique and proprietary form of undenatured type-II collagen† that works differently than traditional supplements such as glucosamine and chondroitin to support normal joint health in horses. The unique and patented manufacturing process retains the main patterns of the original molecular structure of collagen II: the triple helical helix and glycosylated epitopes. **UCII** is a major leap in the quest to support joint health.

†UC-II® brand collagen with undenatured type II collagen (U.S. Patents 7,846,487, 7,083,820 and EPO Patent EP1435906B1; Canadian Patent CA 2459981C; and Japanese Patent JP 4800574B2). UCII is a trademark of InterHealth N.I.

**A MAJOR LEAP IN THE QUEST TO SUPPORT JOINT HEALTH**

**UNIQUE MODE OF ACTION**

**UCII**

Loose collagen

T-cell reaction

Autoimmune inflammation/damage

Oral tolerization


ABOUT VETOQUINOL

Focused exclusively on animal health for more than 80 years.

Since 1933, Vetoquinol has been a pioneer in the animal health field and has developed hundreds of innovative treatment options for use by veterinarians around the world. We embrace the challenge of finding better ways to help animals achieve the maximum quality of life through the duration of their years. Currently, Vetoquinol is the 8th largest veterinary pharmaceutical company worldwide and the 4th largest veterinary-only company.