

# Myo-Guard™

## Say goodbye to sore, stiff muscles!

### What horses benefit from Myo-Guard?



- Horses in any type of regular training or competition program
- Horses with a history of muscle-related problems, such as stiffness, soreness, or tying up
- Horses that are used heavily, such as school horses, trail-riding mounts, carriage horses, and police horses
- Racehorses, both Thoroughbred and Standardbred

### What ingredients does Myo-Guard contain?

Myo-Guard contains a proprietary blend of powerful antioxidants, including natural vitamin E, selenium, and vitamin C, which protect your horse's muscles from the effects of damaging free radicals.

### Try Myo-Guard TODAY!

Contact Kentucky Performance Products for ordering information.

Available in 20-lb and 2-lb buckets.

### Why do horses need additional antioxidants?

Free radicals are produced during a normal metabolic process called oxidation, which is the use of oxygen to break down carbohydrates, fats, and protein for energy. When horses work hard, they produce more free radicals than their normal defenses can handle. The excess oxidative byproducts build up, damaging tissue at the cellular level. In the horse, this damage may surface as muscle soreness or stiffness and delayed recovery from exercise. Myo-Guard provides the additional antioxidants needed to protect the stability of the cellular membranes and provide a defense against oxidative stress.

### What will Myo-Guard do for my horse?

- Help protect against exercise-induced muscle problems like tying up
- Reduce muscle stiffness and soreness
- Speed recovery after strenuous exercise
- Supply additional magnesium to support optimal muscle function



P.O. Box 1013  
Versailles, KY 40383  
800-772-1988  
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### Satisfied customers say...

"I've used Myo-Guard throughout Shiloh's career as a supplement between rides and during each hold to help combat muscle fatigue and minimize soreness. Myo-Guard is superior to generic vitamin E/selenium products and comes in a compact, palatable form."

—**Mary Howell, Virginia:**  
**Accomplished endurance rider and ride manager**

"I recently purchased a three-year-old Thoroughbred gelding for racing. When I bought him, he did not recover well after works and racing. I began using Myo-Guard and what a huge difference it made. He is now running regularly and recovers quickly afterwards. He never misses a work and is always ready to race."

—**T. Douglas, Kentucky:**  
**Racehorse owner and breeder**

## How do the ingredients in Myo-Guard work?

### Natural vitamin E

Vitamin E is an essential component to body-wide antioxidant defenses, with one of its most important duties being cell membrane maintenance. As athletic effort increases, free radical production flourishes and natural stores of antioxidants have difficulty providing sufficient protection against the flood of free radicals generated. Supplementation is therefore necessary to help ward off the ill effects of mass-produced free radicals associated with intense exercise. The natural vitamin E (d-alpha tocopherol) contained in Myo-Guard is highly potent and is much more effectively transported and retained in tissues than the synthetic vitamin E (dl-alpha tocopherol) source often found in other supplements.

### Selenium and vitamin C

Selenium is required for the production of glutathione peroxidase, an enzyme that neutralizes hydrogen peroxide, which is a free radical that ravages cell membranes. While natural vitamin E and selenium preserve the integrity of outer cell membranes, vitamin C defends the cell contents. Vitamin C is also believed to be integral in the regeneration of vitamin E in the body. Once a molecule of vitamin E neutralizes a free radical the vitamin E molecule is no longer useful. In the presence of vitamin C, however, vitamin E can be recycled and used to fend off other free radicals.

### Magnesium

Magnesium is also included in Myo-Guard. During exercise, magnesium, as well as other electrolytes, is lost in sweat. Much of the body's magnesium is stored in the skeleton, and the transfer from bone to bloodstream is not efficient enough for rapid replacement of magnesium losses through heavy sweating. Therefore, supplementing an equine athlete's ration with magnesium may be necessary for optimal muscle function.



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**Products you can trust at a price you can afford.**