

ASTARIA™



## Patented Plasma Technology for Equine Inflammation and Osteoarthritis



The Alpha-2 Macroglobulin molecule has proven success in decreasing inflammation, relieving pain and modulating cartilage degeneration that is the result of osteoarthritis.



Multi-dose kit allows veterinarians to inject multiple sites in the same treatment.



Concentrates plasma proteins from the equine patient's own blood.



Only autologous process that concentrates Alpha-2 Macroglobulin for mammals to obtain a U.S. patent.



Excess Alpha-2 Macroglobulin from the injectate bag can be frozen for up to 12 months.



Provides the highest level of concentration of Alpha-2 Macroglobulin in plasma available on the market today.



Drug free and has no competition restrictions and no banned substances. Always follow your organization's rules for general joint injections.



Attending veterinarian can process and treat in just one hour with an uncomplicated three-step, minimally invasive procedure.

# ALPHA2 EQ®

Active Orthobiologic Therapy for Lameness & Osteoarthritis

Visit [www.alpha2eq.com](http://www.alpha2eq.com) for important product information.

# Advanced, Patented Equine Plasma Technology for Inflammation and Osteoarthritis

Understanding the research done on  $\alpha 2M$ , Astaria Global developed the AlphaActive™ process. The AlphaActive process isolates and concentrates the  $\alpha 2M$  molecule, which is a powerful inhibitor of cartilage catabolic factors and slows the progression of osteoarthritis by preventing cartilage breakdown and loss. AlphaActive is a highly improved process leveraging PRP methodology derivative of Platelet Poor Plasma (PPP) that isolates and concentrates plasma proteins from the equine patient's own blood. It is the only autologous process to isolate and concentrate  $\alpha 2M$  for mammals to obtain a U.S. patent. Alpha2EQ is powered by the advanced, patented AlphaActive Concentrate Process and is the only orthobiologic device that is proven to isolate and concentrate  $\alpha 2M$  from plasma, intensifying the all-natural healing proteins of the horse's own blood.

## INTRODUCING

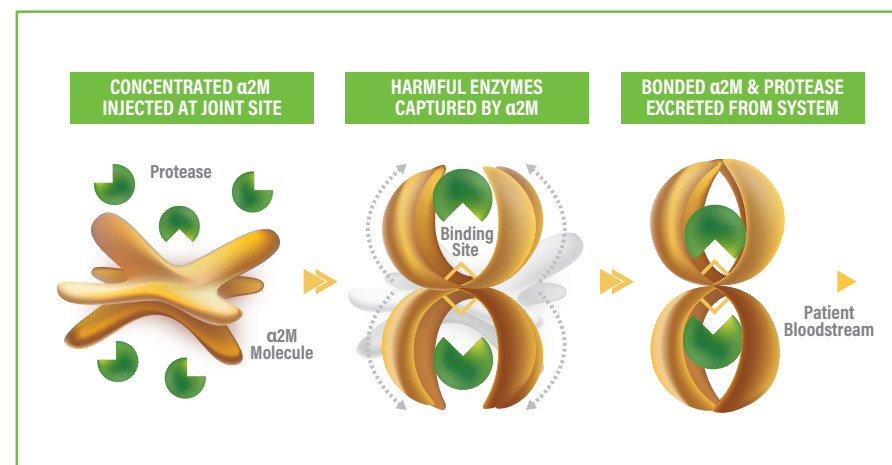
# ALPHA2 EQ®

Our patented equine plasma technology, Alpha2EQ, is an extraordinary advancement in equine lameness and osteoarthritis science that unlocks the healing powers of Alpha-2 Macroglobulin, a naturally occurring molecule in the horse's bloodstream.

This incredible molecule is the body's natural defense against cartilage breakdown, joint pain and inflammation. Unfortunately, this  $\alpha 2M$  molecule is too large to enter the joint or disc space in large enough quantities to be effective. It's there, but it can't get to the site that needs relief. The solution? Astaria Global has patented the first and only AlphaActive™ Concentration Process that isolates and concentrates the Alpha-2 Macroglobulin molecule. The AlphaActive Process isolates and concentrates the  $\alpha 2M$  molecule, which is a powerful inhibitor of cartilage catabolic factors and slows the progression of osteoarthritis by preventing cartilage breakdown and loss.

## How does Alpha2EQ® work?

Under a microscope, you can see that  $\alpha 2M$  has receptor sites on each side that are surrounded by lobes. These receptor sites capture destructive elements in the joint space, at which point the lobes "collapse" around them. Once captured, the bound  $\alpha 2M$  and destructive enzymes are eliminated from the joint space through the body's natural processes.



## How does the AlphaActive™ Process isolate and concentrate Alpha-2 Macroglobulin?

Though the process seems simple enough, there's still one problem. While  $\alpha 2M$  is naturally occurring, it is unable to enter the joint space in high enough quantities due to its large size, complex structure and the design of the joint. This is where the AlphaActive™ process comes into play. Through a standard blood draw, this process isolates the  $\alpha 2M$  and concentrates so that it can be injected into the affected joint in a usable format – resulting in remarkable, targeted results.