

Got Pinkeye?

An autogenous (custom) vaccine can be the answer



ARMOR
ANIMAL HEALTH

DETECT. DEFEND. DELIVER.



Pinkeye is a common infectious disease affecting one or both eyes of cattle. Pinkeye is commonly caused by an infectious bacteria known as *Moraxella bovis*. Other emerging causative agents include *Moraxella bovoculi* and *Mycoplasma bovoculi*. Infection typically lasts 4 to 8 weeks, but can last longer. As the eye heals, scar tissue will gradually disappear and vision will be restored. In severe cases, a white scar may persist and interfere with vision or result in permanent blindness. Pinkeye is spread by face flies and house flies feeding on secretions and then traveling from animal to animal or by direct rubbing of eye secretions between animals.

Clinical signs of pinkeye

Early signs

- Redness and inflammation in the white part of the eye
- Excessive tearing
- Eye may “close” due to pain and to avoid sunlight

Late signs

- Cornea becomes cloudy or white and eroded or raised
- Circular spot develops near the center of the cornea

What is the impact?

Production loss

- Weight and milk production loss make cows less profitable until pain subsides and normal feeding habits resume
- An animal with both eyes affected has extreme difficulty finding feed and water unless restricted to a small pen by itself
- Calves suffering from pinkeye weigh an average of 19.6 lbs less than healthy calves at weaning

What herd management techniques help prevent pinkeye?

- Reduce initial eye irritations and limit sharp objects from traumatizing the eye.
- Establish a fly control program.
- Vaccinate prior to fly season. Consult with your Armor veterinarian or herd health veterinarian for proper vaccination guidelines for your particular herd.

What are my vaccination options?

- Several commercial options are available that vaccinate for pinkeye only or contain both pinkeye and 7-way clostridial protection.
- *Moraxella Bovoculi Pinkeye* from Addison Labs is currently the only vaccine on the market that offers coverage for *Moraxella bovoculi*.
- Outbreaks can still occur even with proper vaccination and fly control.

Just like the flu in people, there are numerous strains of pinkeye that can affect cattle.

An autogenous (custom) vaccine can be the answer!

**Contact your Armor Veterinarian
today to aid in your pinkeye
treatment decisions.**

Armor Veterinary Services

866.986.9404 | pharmacy@armorah.com

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Introducing Custom-Made Vaccines...

Armor Autogenous Pinkeye

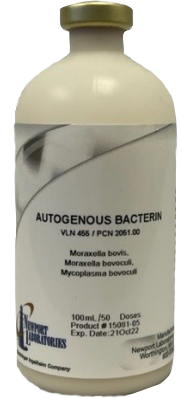
Isolates for *Moraxella bovis*, *Moraxella bovoculi*, *Mycoplasma*

#23234..... 50 ds (100 mL)

#24513..... Bio One; 50 ds (100 mL) - *Bio One does not require a booster*

Vaccinate your herd against three strains of pinkeye: *Moraxella bovis*, *Moraxella bovoculi* and *Mycoplasma bovoculi*. Bio One does not require a booster. There are no commercially available vaccines against *Moraxella bovis*, *Moraxella bovoculi* and *Mycoplasma bovoculi*. Autogenous vaccines can be formulated specifically for pinkeye-causing bacteria found on your farm. Work with your Armor Veterinarian to determine what vaccine is appropriate for your farm or ranch.

NOTE: The Autogenous Respiratory Vaccine requires a VCPR with an Armor Vet or can be purchased by a veterinarian after state vet approval.



What is a custom-made vaccine?

Custom-made vaccines are developed from the virus or bacteria causing disease in a livestock operation.

The resulting product is specific to the pathogenic (disease-causing) strain(s) in that herd.

What is the benefit of a custom-made vaccine?

In some cases, commercially available “one-size-fits-all” combination vaccines may not contain the desired strain variation for an individual herd situation.

Newport Laboratories works with veterinarians and producers to formulate a combination product that is not commercially available.

How is a custom-made vaccine created?

1. A swab is used to sample infected eyes on animals that have not been treated (ideally 5 animals are sampled).
2. Samples are sent on ice to the diagnostic lab as soon as possible.
3. Microbial culture is performed to identify involved organisms.
4. Custom vaccine is created using the organisms found.
 - Vaccines are produced in 8 to 10 weeks.
 - Vaccines have an 18-month shelf life.

Contact your Armor Veterinarian today to aid in your pinkeye treatment decisions.



A Vaxxinova Company



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