

BOVILIS[®] Pinkeye Vaccines



What is Pinkeye?

- When left untreated, pinkeye in cattle can be a highly contagious disease and economically devastating.
- Affected calves are 30-40 pounds lighter at weaning compared to healthy calves, resulting in up to a \$337 loss per animal.¹
- Vaccination can help mitigate pinkeye and its damaging effects.

Pinkeye Causes

- Pinkeye can be caused by *Moraxella bovis* and *Moraxella bovoculi*.
- Bacterial pathogens that infect the surface of the eye causing inflammation of the eyeball and surrounding structures.
- It is easily spread by flies feeding on the infected eye drainage.
- If left unaddressed, the cornea may develop a sore, resulting in pain and possible blindness.

Prevention is Key

- Because pinkeye is caused when bacterial organisms such as *Moraxella bovis* and *Moraxella Bovoculi* infect the surface of the eye, the first leg of proper control is vaccination.
- Utilizing a combination approach and vaccinating against both *M. bovis* and *M. Bovoculi* can help your herd gain the maximum protection they need against pinkeye.
- For broad protection, choose a convenient 7-way clostridial-pinkeye combination product such as BOVILIS[®] 20/20 VISION[®] 7 with SPUR[®].

Pinkeye Vaccines	<i>Moraxella bovis</i>	<i>Moraxella bovoculi</i>	Blackleg	Malignant Edema	<i>Sordellii</i>	Black Disease	Enterotoxemia
BOVILIS [®] 20/20 VISION [®] 7	●		●	●	●	●	●
BOVILIS [®] PILIGUARD [®] PINKEYE	●						
MORAXELLA BOVOCULI		●					

¹Arnold M, et al. Infectious Bovine Keratoconjunctivitis (Pinkeye) in Cattle. University of Kentucky College of Agriculture. 2012.

BOVILIS[®] Pinkeye Vaccines



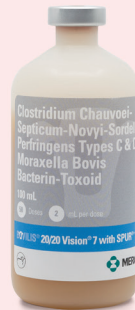
For exceptional protection against Pinkeye in cattle, use the BOVILIS[®] line of cattle vaccines offered by Merck Animal Health.



BOVILIS[®] 2 mL DOSE SQ PILIGUARD[®] PINKEYE

Shown effective against:
• *Moraxella bovis* (Pinkeye)

10 dose	UIN: 065410 UPC: 662858029123
50 dose	UIN: 143130 UPC: 662858029147



BOVILIS[®] 20/20 VISION[®] 7 WITH SPUR[®] 2 mL DOSE SQ

Shown effective against:

- *Moraxella bovis* (Pinkeye)
- *Clostridium chauvoei* (Blackleg)
- *C. septicum* (Malignant edema)
- *C. novyi* (Black disease)
- *C. sordellii*
- *C. perfringens* Types C & D (Enterotoxemia)

10 dose	UIN: 069083 UPC: 662858097023
50 dose	UIN: 069084 UPC: 662858040593



MORAXELLA 2 mL DOSE SQ BOVOCULI BACTERIN

Shown effective against:
• *Moraxella bovoculi* (Pinkeye)

10 dose	UIN: 317164 UPC: 662858000023
50 dose	UIN: 336610 UPC: 662858000030

Target Pinkeye Before it Starts

Scan the code to learn more about keeping your herd safe from pinkeye today.



Test Your Knowledge

1. True or False: Pinkeye is easily spread by flies feeding on the infected eye drainage.

- A True
- B False

2. Pinkeye causing bacterial pathogens infect what part of the body?

- A Eyeball
- B Ears
- C Mouth
- D Eyeball and surrounding structures

3. True or False: Pinkeye is a highly contagious and painful disease.

- A True
- B False

Answer Key: 1: True, 2: Eyeball and surrounding structures, 3: True