

TAKE THE STRESS OUT OF BLACKLEG PROTECTION

VISION® DELIVERS PROVEN PROTECTION WITH LESS STRESS

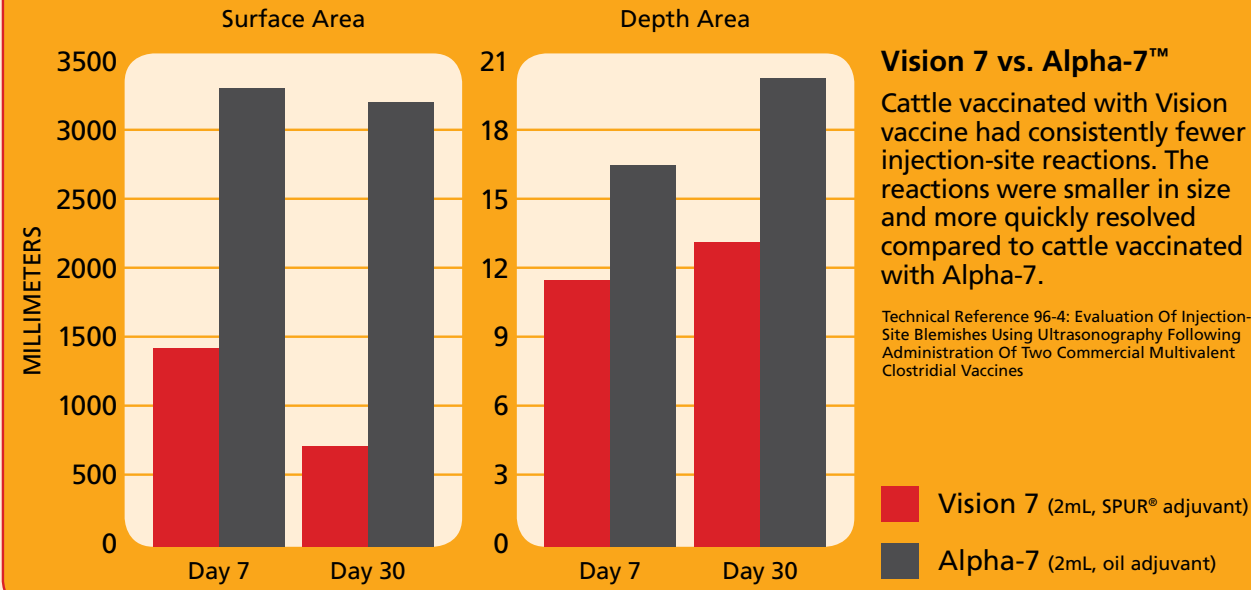
When vaccinating your herd for clostridial diseases, it's vital to have protection you can count on. Not all blackleg vaccines are the same. Some are stressful and decrease performance. Vision® vaccines take the stress out of blackleg protection.

Vision was developed with the specific goals of reducing stress and minimizing the negative impact of vaccination on performance.

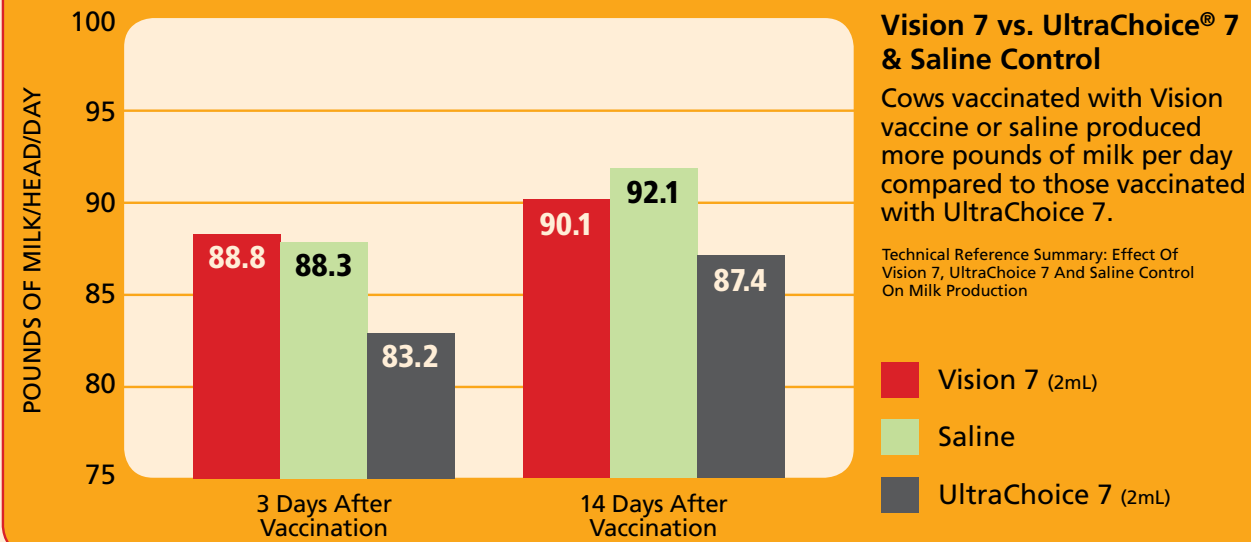
VISION VACCINES OFFER:

- Less post-vaccinal stress and less appetite suppression than conventional 5mL and competitive 2mL clostridial vaccines
- Less swelling and inflammation than conventional 5mL and oil-based 2mL clostridial vaccines
- Better cost of gains when compared to conventional 5mL clostridial vaccines
- Better feed conversion and greater weaning weight results compared to conventional clostridial vaccines

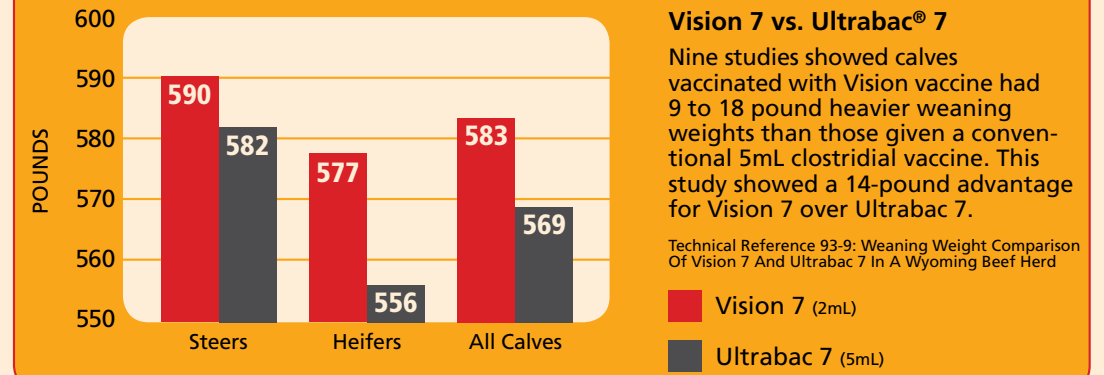
BEEF QUALITY COMPARISON



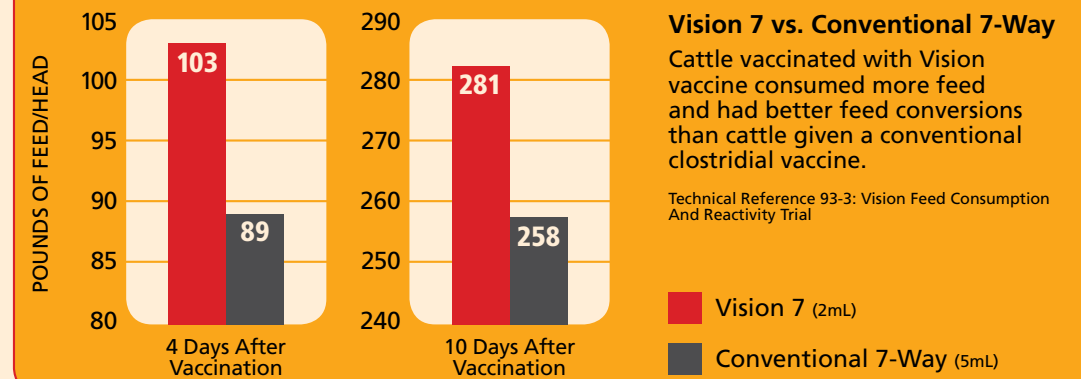
MILK PRODUCTION COMPARISON



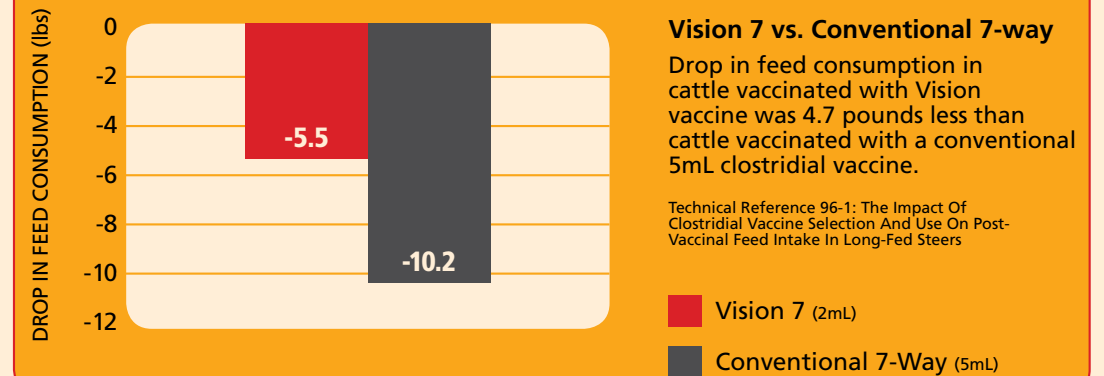
WEANING WEIGHT COMPARISON



FEED CONSUMPTION COMPARISON



STRESS EFFECT ON FEED INTAKE



VISION PRODUCTS

VISION 7

7-Way Clostridial Protection:
Clostridium chauvoei (Blackleg)
Cl. septicum (Malignant Edema)
Cl. novyi (Black Disease)
Cl. sordellii
Cl. perfringens Types C&D (Overeating)

- 2mL, subcutaneous (SQ) injection
- Available in 10, 50 and 250 dose

VISION 7 SOMNUS

7-Way Clostridial/Somnus Protection:
Clostridium chauvoei
Cl. septicum
Cl. novyi
Cl. sordellii
Cl. perfringens Types C&D
Haemophilus somnus (*Histophilus somni*)

- The only low-dose, 7-way clostridial/somnus combination available
- 2mL, subcutaneous (SQ) injection
- Available in 10, 50 and 250 dose

VISION 8

8-Way Clostridial Protection:
Clostridium chauvoei
Cl. septicum
Cl. haemolyticum (Redwater)
Cl. novyi
Cl. sordellii
Cl. perfringens Types C&D

- 2mL, subcutaneous (SQ) injection
- Available in 10 and 50 dose

VISION 8 SOMNUS

8-Way Clostridial/Somnus Protection:
Clostridium chauvoei
Cl. septicum
Cl. haemolyticum
Cl. novyi
Cl. sordellii
Cl. perfringens Types C&D
Haemophilus somnus

- The only low-dose, 8-way clostridial/somnus combination available
- 2mL, subcutaneous (SQ) injection
- Available in 10 and 50 dose

VISION CD

Clostridium perfringens Types C&D Protection

- Enterotoxemia (Overeating) protection
- 2mL, subcutaneous (SQ) injection
- Available in 250 dose

VISION CD-T

Clostridium perfringens Types C&D and *Cl. tetani* Protection

- Enterotoxemia and tetanus protection
- 2mL, subcutaneous (SQ) injection
- Available in 50 dose

20/20 VISION 7

7-Way Clostridial/Pinkeye Protection:
Clostridium chauvoei
Cl. septicum
Cl. novyi
Cl. sordellii
Cl. perfringens Types C&D
Moraxella bovis

- 2mL, subcutaneous (SQ) injection
- Available in 10 and 50 dose

SPUR® ADJUVANT

The SPUR® adjuvant allows for the highest level of immunization with the lowest level of injection-site defects.

SPUR ADJUVANT:

- Keeps antigens in stable suspension for long periods of time so the precise amount of antigens for immunization is administered
- Ensures uniform suspension and smoother administration with more available binding sites for the antigen
- Is less reactive at the site of injection*
- Is proven to offer better immune response than vaccines adjuvanted with aluminum hydroxide*

*Data available upon request



ALUM

ALUMINUM
HYDROXIDE

SPUR

SPUR keeps antigens in stable suspension for long periods of time instead of settling out, as can happen with competitive adjuvants.

PINKEYE PROTECTION

Pinkeye damage can have a big impact on what beef and dairy producers work hard all year to earn.

- Calves scarred by pinkeye are often docked \$1 to \$2 per cwt at sale time—that's \$6 to \$12 per head on a 600-pound calf. 20/20 Vision® 7 helps maximize your sale price by minimizing discounts
- Studies show calves that develop pinkeye have reduced weaning weights ranging from 30 to 45 pounds—robbing you of performance and costing you money
- Pinkeye damage can also cost you in decreased milk production and cost of treatment, including labor

20/20 Vision 7 contains eight *Moraxella bovis* strains for the broadest protection available. No other pinkeye vaccine contains more. When vaccinating for blackleg, it's the perfect time to prevent pinkeye.