

Elanco

Vira Shield[®]

PROTECT THE HERD. DEFEND THE FUTURE.

As a research-proven, safe and powerful line of inactivated vaccines, Vira Shield[®] provides comprehensive protection against up to 13 respiratory, reproductive and leptospirosis diseases.

PROTECT THE FUTURE

- A 6.5% higher first-service conception rate compared to a competitive modified-live virus vaccine¹
- Higher percentage of cows calving in the first 21 days¹ of the calving season
- Demonstrated to provide protection against Infectious Bovine Rhinotracheitis (IBR) abortion up to 8 months post-vaccination²

DEFEND YOUR OPERATION

- Vira Shield is easy to implement in any management program or whole-herd protocol. It's safe for use on all cows, even pregnant cows and calves nursing pregnant cows, and those with an unknown vaccination history
- No mixing is required
- Backed by the Elanco Cattle Vaccine Promise[™]
- Xtend[®] SP adjuvant provides long-lasting immune stimulation that helps release antigens over time³

SHIELD THE HERD

- Comprehensive protection against up to 13 respiratory, reproductive and leptospirosis diseases
- Demonstrated Bovine Viral Diarrhea (BVD) Type 2 control effective for 11 months post-vaccination³
- Cows receive a 12-month duration of immunity for *L. hardjo-bovis*, the most common cause of leptospirosis in the U.S.⁴

DISEASE CAN STRIKE AT ANY MOMENT.

The threat of respiratory and reproductive diseases within your herd are real. Make sure your cattle have comprehensive protection against up to 13 respiratory, reproductive and leptospirosis diseases.

| | Vira Shield® 6+VL5 HB Somnus | Triangle® 10 HB | Cattle Master GOLD® FP® 5 L5 |
|--|------------------------------|-----------------|------------------------------|
| Comprehensive No. of antigens available | 13 | 11 | 10 |
| Respiratory Coverage Effective against the following pathogens: | BVD Type 1 | K | K |
| | BVD Type 2 | K | K |
| | IBR | K | MLV |
| | PI ₃ | K | MLV |
| | BRSV | K | MLV |
| Reproductive and Leptospirosis Coverage Effective against the following pathogens: | <i>Leptospira (5-way)</i> | ✓ | ✓ |
| | <i>L. hardjo-bovis</i> | ✓ | Cross-protection only |
| | <i>C. (Vibrio) fetus</i> | ✓ | |
| | <i>H. somni</i> | ✓ | |

Based on label comparisons

K = Killed

MLV = Modified Live Virus

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To learn more about how Vira Shield can help protect your herd and defend your future, contact your herd health veterinarian, Elanco sales representative or technical consultant, or visit ViraShield.com

The label contains complete use information, including cautions and warnings. Always read, understand and follow the label and use directions.

Vira Shield is part of Elanco's industry-leading portfolio of vaccines, antibiotics and immunostimulants to help producers prevent, control and treat the most pervasive disease in the industry.

¹Perry GA, Larimore EL, Crosswhite MR, et al. Safety of vaccination with an inactivated or modified-live viral reproductive vaccine when compared to sterile saline in beef cows. J Vet Sci Res 2016;2:35-41.

²Zimmerman AD, et al. Efficacy of bovine herpesvirus-1 inactivated vaccine against abortion and stillbirth in pregnant heifers. JAVMA 2007;231:1386-1389.

³Chase CCL. Protection with an inactivated vaccine against IBR, BRSV and BVDV. Paper presented at: Annual Meeting of the American Association of Bovine Practitioners. San Antonio, TX, 1995. Vira Shield has no approved claim for duration of immunity for BVD Type 2.

⁴Zimmerman AD, Springer EW, et al. Evaluation of duration of immunity of a multivalent vaccine containing a United States *Leptospira borgpetersenii* serovar Hardjo isolate in heifers challenged 12 months after vaccination. JAVMA 2013;242(11):1-5.

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