

# Elanco Cattle Vaccine Portfolio Use Recommendations

	Disease Segment	Calves			Heifers			Cows			Bulls	Stocker	
		Branding/ Turnout	Pre-weaning	Weaning	Prebreeding	Pregcheck	Precalving	Prebreeding	Pregcheck	Precalving	Turnout	Arrival	Revaccinate (2-4 weeks)
Recommended vaccinations	Respiratory	Titanium 5+PH-M Titanium 5 Vira Shield 6	Titanium 5+PH-M Titanium 5 Vira Shield 6	Titanium 5+PH-M Titanium 5 Master Guard 5* Vira Shield 6								Titanium 5+PH-M Titanium 5 Master Guard 5* Vira Shield 6	Titanium 5+PH-M Titanium 5 Master Guard 5*
	Reproductive (replacement females)		Vira Shield 6+L5 HB	Vira Shield 6+L5 HB	Titanium 5 L5 HB Master Guard 10 HB* Vira Shield 6+VL5 HB (2 doses)	Titanium 5 L5 HB Master Guard 10 HB* Vira Shield 6+L5 HB		Titanium 5 L5 HB Master Guard 10 HB* Vira Shield 6+VL5 HB	Titanium 5 L5 HB Master Guard 10 HB* Vira Shield 6+L5 HB*		Vira Shield 6+VL5 HB		
	Scours					Scour Bos 9	Scour Bos 4		Scour Bos 9	Scour Bos 4			
	Pneumonia		NUPLURA PH										NUPLURA PH
	Footrot				Fusogard (2 doses)			Fusogard (2 doses)			Fusogard (2 doses)	Fusogard (2 doses)	Fusogard (2 doses)
	Respiratory	Quick Shield IN IBR P <sub>3</sub> **		BRD Shield*** (2 doses)									Quick Shield IN IBR P <sub>3</sub> ** Somnu Shield
Optional vaccinations	Reproductive (replacement females)				ReproSTAR VL5 HB		ReproSTAR VL5 HB						
	Pneumonia	NUPLURA PH		NUPLURA PH									
	Pinkeye	Pinkeye Shield XT4		Pinkeye Shield XT4	Pinkeye Shield XT4		Pinkeye Shield XT4					Pinkeye Shield XT4	
	Clostridial		Clostri Shield 7	Clostri Shield 7 Booster			Clostri Shield 7			Clostri Shield 7	Clostri Shield 7	Clostri Shield 7	Clostri Shield 7 Booster
			CP Type A	CP Type A Booster			CP Type A			CP Type A			

\*Vira Shield 6+L5 HB may be used if cows are artificially inseminated.

\*\*Use Quick Shield only on calves nursing open cows.

\*\*\*Use BRD Shield only on calves nursing open cows. Calves less than 6 months of age should receive another dose at weaning.

\*Master Guard may be used in calves at least 5 months of age.

**For all vaccine products:** The label contains complete use information, including cautions and warnings. Always read, understand and follow the label and use directions.



# Elanco Cattle Vaccine Portfolio Use Recommendations

## Respiratory Protection

### BRD SHIELD®

- Noncytopathic BVD Type 1 and Type 2, IBR, BRSV, PI<sub>3</sub>
- Dosage: 2 mL dose, SubQ, booster in 3-4 weeks for the BRSV fraction. Calves vaccinated prior to six months of age should be revaccinated after six months of age. Revaccinate annually
- Can be used safely in calves as young as four weeks. Not for use in pregnant cows or calves nursing pregnant cows

### QUICK SHIELD® IN IBR-PI<sub>3</sub>

- IBR, PI<sub>3</sub>
- Dosage: 2 mL dose, intranasally or SubQ, revaccinate annually
- Goes right to work at a common site of infection entry, the nostrils

### MASTER GUARD® 5

- BVD, types 1 and 2, IBR, PI<sub>3</sub>, BRSV
- Dosage: 3 mL, SubQ or IM, booster in 2-4 weeks with Master Guard 5
- Revaccinate annually. Calves vaccinated before weaning should be revaccinated 30 days after weaning
- Approved for use in pregnant cows and nursing calves; may be used in calves at least 5 months of age
- Unique combination of killed and MLV components that's proven safe and effective against respiratory disease

### SOMNU SHIELD®

- *Histophilus somni*
- Dosage: 2 mL, IM or SubQ, booster in 2-3 weeks, revaccinate annually
- Well-suited when cattle are grouped closely together in feedlots or when gathered for shipping or assembled for grazing fall and winter pasture. Protects against *H. somni* which is a leading cause of death in feedlot cattle.

### TITANIUM® 5 + PH-M

- BVD, type 1 and 2, IBR, PI<sub>3</sub>, BRSV, *M. haemolytica*, *P. multocida*
- Dosage: 2 mL, SubQ, booster in 2-4 weeks with monovalent BRSV vaccine (Titanium® BRSV) and *M. haemolytica* and *P. multocida* vaccine (PULMO-GUARD® PH-M) to be given 14-28 days after the first dose. Revaccinate annually. Calves vaccinated before weaning should be revaccinated 30 days after weaning
- Approved for use in pregnant cows and nursing calves; 60 days of age or older
- Single-vaccine solution protects against BRD-causing viruses and bacteria

### TITANIUM 5

- BVD, types 1 and 2, IBR, PI<sub>3</sub>, BRSV
- Dosage: 2 mL, SubQ, booster in 2-4 weeks with monovalent BRSV vaccine (Titanium® BRSV). Revaccinate annually. Calves vaccinated before weaning should be revaccinated 30 days after weaning
- Approved for use in pregnant cows and nursing calves
- Broad, proven, MLV protection against respiratory viruses at every stage of production

## Reproductive Protection

### VIRA SHIELD® 6+VL5 HB

- Cytopathic (CP) BVD Type 1, noncytopathic (NCP) BVD Type 1, NCP BVD Type 2, IBR, BRSV, PI<sub>3</sub>, 5-way Lepto (including *Lepto hardjo-bovis*), Vibrio

- Dosage: 5 mL, 2-4 weeks prebreeding, booster with Vira Shield 6+L5 HB in 4 weeks, SubQ, annual revaccination
- First and only inactivated viral vaccine available in combination with a U.S. origin *Lepto hardjo-bovis* — the most common cause of leptospirosis in U.S. cattle

### VIRA SHIELD 6+L5 HB

- Noncytopathic BVD Type 1 and 2, Cytopathic BVD Type 1 PI<sub>3</sub>, IBR, BRSV, *L. canicola*, *L. grippotyphosa*, *L. hardjo-bovis*, *L. icterohaemorrhagiae*, *L. pomona*
- Dosage: 5 mL, SubQ, revaccinate 4-5 weeks. Revaccinate annually
- Convenient, broad-spectrum protection against up to 12 disease-causing organisms
- Safe for use in pregnant cows and heifers

### VIRA SHIELD 6

- Noncytopathic (NCP) BVD Type 1, NCP BVD Type 2, and cytopathic BVD Type 1, IBR, PI<sub>3</sub>, BRSV
- Dosage: 2 mL, SubQ, Revaccinate in 4-5 weeks. Revaccinate Annually
- Long-lasting protection against Type 2 BVD

### REPROSTAR® VL5 HB

- *L. hardjo bovis*, *L. canicola*, *L. grippotyphosa*, *L. icterohaemorrhagiae*, *L. pomona*
- Dosage: 2 mL, 2-4 weeks prior to breeding, IM, booster in 4-6 weeks with ReproSTAR L5 HB, revaccinate annually
- *Lepto hardjo-bovis* component was isolated from a U.S. dairy experiencing poor conception rates

### MASTER GUARD® 10 HB

- BVD, types 1 and 2, IBR, PI<sub>3</sub>, BRSV, *L. canicola*, *L. grippotyphosa*, *L. hardjo*, *L. icterohaemorrhagiae*, *L. Pomona* and *L. hardjo-bovis*
- Dosage: 3 mL, SubQ or IM, booster in 2-4 weeks with Master Guard 10 HB. Revaccinate annually. Calves vaccinated before weaning should be revaccinated 30 days after weaning
- Approved for use in pregnant cows and nursing calves; may be used in calves at least 5 months of age
- Unique combination of killed and MLV components that's proven safe and effective against reproductive and respiratory disease, and protects against Lepto

### TITANIUM 5 L5 HB

- BVD, types 1 and 2, IBR, PI<sub>3</sub>, BRSV, *L. canicola*, *L. grippotyphosa*, *L. hardjo*, *L. icterohaemorrhagiae*, *L. Pomona* and *L. hardjo-bovis*
- Dosage: 2 mL, SubQ, booster in 2-4 weeks with monovalent BRSV vaccine (Titanium® BRSV). Revaccinate annually. Calves vaccinated before weaning should be revaccinated 30 days after weaning.
- Approved for use in pregnant cows and nursing calves
- Broad, proven protection against respiratory and reproductive viruses, and Leptospira, at every stage of production

## Calf Diarrhea (Scours)

### SCOUR BOS® 9

- 3 types of rotavirus, coronavirus, 4 isolates of *E. coli* bacteria, *C. perfringens* Type C
- Dosage: 2 mL dose, IM, 8-16 weeks prior to calving, revaccinate annually 8-10 weeks prior to calving, revaccinate with 2 mL booster dose of Scour Bos® 4 (rotavirus, coronavirus) at four weeks precalving in year one
- Vaccinating pregnant cows helps build colostral antibodies that protect newborn calves from scours

### SCOUR BOS 4

- Coronavirus and 3 types of rotavirus
- Dosage: 2 ML dose, IM, 8-16 weeks prior to calving. Revaccinate 8-10 weeks prior to calving
- For use in healthy pregnant cattle as an aid in prevention of disease in calves caused by bovine rotavirus and bovine coronavirus

## Pneumonia

### NUPLURA® PH

- *M. haemolytica*
- Dosage: 2 mL dose, SubQ, revaccinate annually
- First and only cattle vaccine developed in the U.S. market using a combination of outer membrane protein and recombinant leukotoxoid technology

## Footrot

### FUSOGARD®

- *F. necrophorum*
- Dosage: 2 mL, SubQ, revaccinate in 3 weeks, revaccinate annually
- An economical, proactive protection alternative to antibiotic treatment

## Pinkeye

### PINKEYE SHIELD® XT4

- *Moraxella bovis*
- Dosage: 2 mL, IM, revaccinate annually
- Contains four field isolates of *M. bovis* — a leading cause of pinkeye

## Clostridial (Blackleg)

### CLOSTRI SHIELD® 7

- *C. chauvoei*, *C. septicum*, *C. novyi*, *C. sordellii*, *C. perfringens* Types C and D
- Dosage: 2 mL, SubQ, booster in 2-4 weeks, revaccinate annually
- Proprietary dual-component adjuvant system

### CLOSTRIDIUM PERFRINGENS — TYPE A TOXOID

- *C. perfringens* Type A
- Dosage: 2 mL, SubQ, booster in 2-4 weeks, revaccinate annually
- First conditionally licensed *C. perfringens* Type A vaccine for cattle
- *C. perfringens* Type A, implicated in hemorrhagic bowel syndrome in cows — also deadly in calves and commonly isolated in cases where abomasal ulcers and hemorrhage are found



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