

# BOVILIS<sup>®</sup> Reproductive Vaccines



## MINUTE

### Why Give a Reproductive Vaccine?

- Vaccination against reproductive pathogens helps protect the pregnancy and the developing fetus resulting in a healthy calf.

### When to Give a Reproductive Vaccine?

- The pre-breeding vaccinations should be done approximately 5 to 6 weeks prior to breeding to avoid any possible vaccine-induced stress or complications that could affect fertility.
- Leptospirosis vaccines should be boosted in herds that have a history of abortions due to leptospirosis, have high risk of lepto exposure, or are a confined beef cow operation.

### Reproductive Vaccines Protect Against Two Main Bacterial Diseases:

#### Leptospirosis

- This bacterium causes milk drop (a shortage of milk produced), abortions, and infertility in breeding cattle. May also cause urinary disease and anemia (fewer red blood cells to carry oxygen) in all cattle groups.
- Five different types of “lepto” can cause disease. Most vaccines contain protection against all five (*L. canicola*, *L. grippityphosa*, *L. hardjo*, *L. icterohaemorrhagiae*, and *L. pomona*)
- Leptospira can cause abortion at any time of gestation, weak calves, and blood-tinged milk.

#### Vibriosis (*Campylobacter fetus*)

- This bacterium is a venereal (sexually transmitted) disease spread by bulls during natural service (breeding). Vibrio infection can cause early embryonic death in repeat breeders.
- *Campylobacter fetus* can cause venereal disease that can lead to infertility or early embryonic death.
- Sporadic abortions can occur in the last half of gestation.

Viral & Bacterial Vaccines	IBR	PI <sub>3</sub>	BRSV	BVD Types 1&2	Leptospira canicola	L. grippityphosa	L. hardjo	L. icterohaemorrhagiae	L. Pomona	Campylobacter fetus
BOVILIS <sup>®</sup> VISTA <sup>®</sup> 5 L5 SQ CFP	●	●	●	●	●	●	●	●	●	
BOVILIS <sup>®</sup> VISTA <sup>®</sup> 5 VL5 SQ CFP	●	●	●	●	●	●	●	●	●	●
BOVILIS <sup>®</sup> L5 SQ					●	●	●	●	●	
BOVILIS <sup>®</sup> VL5 SQ					●	●	●	●	●	●

\*L. hardjo protection includes the L. borgpetersenii hardjo bovis

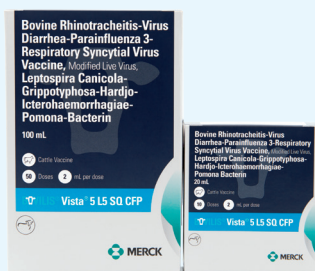
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## Prevention is Key

- Breeding stock and their offspring are critical to the success of your operation. Protect both with the BOVILIS<sup>®</sup> Cattle vaccine reproductive lineup.



### BOVILIS<sup>®</sup> VISTA<sup>®</sup> 5 L5 SQ CFP

Shown effective against:

- IBR
- PI<sub>3</sub>
- BRSV
- BVD Types 1 & 2
- *Leptospira canicola*
- *L. grippotyphosa*
- *L. hardjo*
- *L. icterohaemorrhagiae*
- *L. Pomona*

10 dose UIN: 006344  
UPC: 662858904826  
50 dose UIN: 006345  
UPC: 662858904857



### BOVILIS<sup>®</sup> VISTA<sup>®</sup> 5 VL5 SQ CFP

Shown effective against:

- IBR
- PI<sub>3</sub>
- BRSV
- BVD Types 1 & 2
- *Leptospira canicola*
- *L. grippotyphosa*
- *L. hardjo*
- *L. icterohaemorrhagiae*
- *L. Pomona*
- *Campylobacter fetus*

10 dose UIN: 006341  
UPC: 662858904925  
50 dose UIN: 006342  
UPC: 662858904956



### BOVILIS<sup>®</sup> L5 SQ

Shown effective against:

- *Leptospira canicola*
- *L. grippotyphosa*
- *L. hardjo*
- *L. icterohaemorrhagiae*
- *L. Pomona*

50 dose UIN: 006362  
UPC: 662858902952



### BOVILIS<sup>®</sup> VL5 SQ

Shown effective against:

- *Leptospira canicola*
- *L. grippotyphosa*
- *L. hardjo*
- *L. icterohaemorrhagiae*
- *L. Pomona*
- *Campylobacter fetus*

50 dose UIN: 06363  
UPC: 662858902853

## Test Your Knowledge

1. True or False: Reproductive vaccines protect against two main bacterial diseases.

- A True
- B False

2. Which is a type of lepto disease?

- A *L. canicola*
- B *L. grippotyphosa*
- C *L. hardjo*
- D *L. icterohaemorrhagiae*
- E *L. pomona*

3. True or False: *Leptospira* can cause abortion at any time of gestation.

- A True
- B False

Answer Key: 1. True, 2. All of the above, 3. True.