

BOVILIS[®] Reproductive Vaccines



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 leptospirosis 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. grippotyphosa*, *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 ₃	BRSV	BVD Types 1 & 2	<i>Leptospira</i> <i>canicola</i>	<i>L. grippo-</i> <i>typhosa</i>	<i>L. hardjo</i>	<i>L. icterohaemorrhagiae</i>	<i>L. Pomona</i>	<i>Campylobacter</i> <i>fetus</i>
BOVILIS [®] VISTA [®] 5 L5 SQ CFP	●	●	●	●	●	●	●	●	●	
BOVILIS [®] VISTA [®] 5 VL5 SQ CFP	●	●	●	●	●	●	●	●	●	●
BOVILIS [®] L5 SQ					●	●	●	●	●	
BOVILIS [®] VL5 SQ					●	●	●	●	●	●

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

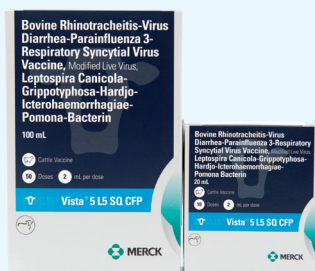
BOVILIS[®] Reproductive Vaccines



MINUTE

Prevention is Key

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



BOVILIS[®] VISTA[®] 5 L5 SQ CFP

Shown effective against:

- IBR
- PI₃
- BRVS
- 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[®] VISTA[®] 5 VL5 SQ CFP

Shown effective against:

- IBR
- PI₃
- BRVS
- 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[®] L5 SQ

Shown effective against:

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

50 dose UIN: 006362
UPC: 662858902952



BOVILIS[®] 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.