

ONE SHOT® BVD

Zoetis

Bovine Virus Diarrhea Vaccine

Modified Live Virus

Mannheimia Haemolytica Toxoid

INDICATIONS: One Shot BVD is for vaccination of healthy cattle to prevent viremia caused by bovine virus diarrhea (BVD) virus Types 1 and 2, and as an aid in preventing respiratory disease caused by BVD virus Types 1 and 2 and bovine pneumonia caused by *Mannheimia haemolytica* type A1. A duration of immunity of at least 9 months has been demonstrated against BVD virus Types 1 and 2 respiratory disease.

One Shot BVD may be administered to pregnant cattle provided they were vaccinated, according to label directions, with any Bovi-Shield GOLD® FP® or PregGuard® GOLD FP vaccine within the past 12 months. One Shot BVD may also be administered to calves nursing pregnant cows provided their dams were vaccinated within the past 12 months as described above. **To help ensure safety in pregnant cattle, heifers must receive at least 2 doses of any Bovi-Shield GOLD FP or PregGuard GOLD FP product with the second dose administered approximately 30 days prebreeding.**

PRODUCT DESCRIPTION: One Shot BVD is a freeze-dried preparation of modified live virus (MLV) strains of BVD (Types 1 and 2) and product prepared from whole cultures of *M. haemolytica* propagated to increase the production of leukotoxin and capsular and cell-associated antigens. A sterile diluent, containing adjuvant to enhance the immune response, is provided to rehydrate the freeze-dried fraction.

DIRECTIONS:

General Directions: Vaccination of healthy cattle is recommended. Aseptically rehydrate the freeze-dried component with the sterile diluent provided, shake well, and administer 2 mL subcutaneously. In accordance with Beef Quality Assurance guidelines, this product should be administered in the neck region.

Primary Vaccination: Administer a single 2-mL dose to healthy cattle. To avoid possible maternal antibody interference with active immunization, calves vaccinated before the age of 6 months should be revaccinated after 6 months of age or at weaning.

Revaccination: Annual revaccination with a single dose is recommended. Good management practices support revaccination whenever subsequent stress or exposure is likely.

PRECAUTIONS:

Do not use in pregnant cows (abortions can result) unless they were vaccinated, according to label directions, with any Bovi-Shield GOLD FP or PregGuard GOLD FP vaccine within the past 12 months. Do not use in calves nursing pregnant cows unless their dams were vaccinated within the past 12 months as described above.

To help ensure safety in pregnant cattle, heifers must receive at least 2 doses of any Bovi-Shield GOLD FP or PregGuard GOLD FP product with the second dose administered approximately 30 days prebreeding.

Store at 2°-7°C. Prolonged exposure to higher temperatures and/or direct sunlight may adversely affect potency. Do not freeze.

Use entire contents when first opened.

Sterilized syringes and needles should be used to administer this vaccine.

Do not sterilize with chemicals because traces of disinfectant may inactivate the vaccine.

Burn containers and all unused contents.

Do not vaccinate within 21 days before slaughter.

Contains gentamicin as preservative.

As with many vaccines, anaphylaxis may occur after use. Initial antidote of epinephrine is recommended and should be followed with appropriate supportive therapy.

This product has been shown to be efficacious in healthy animals. A protective immune response may not be elicited if animals are incubating an infectious disease, are malnourished or parasitized, are stressed due to shipment or environmental conditions, are otherwise immunocompromised, or the vaccine is not administered in accordance with label directions.

Technical inquiries should be directed to Zoetis Inc. Veterinary Services, (888) 963-8471 (USA), (800) 461-0917 (Canada).

For veterinary use only

U.S. Veterinary License No. 190

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Presentation: 10 doses and 50 doses.

CPN: 3690380.0