

# Bovine Rhinothracheitis- Virus Diarrhea- Parainfluenza<sub>3</sub> Vaccine

Modified Live Virus



## Bovi-Shield GOLD® 4

**INDICATIONS:** Bovi-Shield GOLD 4 is for vaccination of healthy cattle to prevent respiratory disease caused by infectious bovine rhinotracheitis (IBR) virus and 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 parainfluenza<sub>3</sub> (PI<sub>3</sub>) virus. A duration of immunity of at least 9 months has been demonstrated against IBR and BVD virus Types 1 and 2 disease. When administered intramuscularly, Bovi-Shield GOLD 4 aids in preventing respiratory disease caused by IBR and BVD virus Types 1 and 2. Bovi-Shield GOLD 4 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. Bovi-Shield GOLD 4 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:** Bovi-Shield GOLD 4 is a freeze-dried preparation of modified live virus (MLV) strains of IBR, BVD (Types 1 and 2), and PI<sub>3</sub> viruses, plus a sterile diluent used to rehydrate the freeze-dried vaccine.

### **DIRECTIONS:**

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

*Primary Vaccination:* Administer a single 2-mL dose to healthy cattle.

*Revaccination:* Annual revaccination with a single dose is recommended.

Good animal husbandry and herd health management practices should be employed.

### **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).

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