

BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.

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EXPRESS® 5-HS**Boehringer Ingelheim Animal Health****Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine**

Modified Live Virus

Haemophilus Somnus Bacterin**BEEF & DAIRY CATTLE**

Indications: This product has been shown to be effective for the vaccination of healthy cattle, including pregnant cows, against respiratory disease due to infectious bovine rhinotracheitis (IBR), bovine virus diarrhea types 1 and 2 (BVD1 & BVD2), parainfluenza 3 (PI3), and bovine respiratory syncytial virus (BRSV), and against *Haemophilus somnus*. This product was licensed prior to the requirement to establish a minimum age for use. The duration of immunity has not been determined. For more information regarding efficacy and safety data, go to productdata.aphis.usda.gov.

This vaccine may be used in pregnant cows or calves nursing pregnant cows provided the cows were vaccinated pre-breeding, according to label instructions, with any Express FP vaccine.

Composition: The amber glass vial contains IBR, BVD1 (Singer 1a cytopathic), BVD2 (296 cytopathic), PI3, and BRSV modified live viruses (MLV). The plastic vial contains *H. somnus* in an adjuvant system. Neomycin and thimerosal added as preservatives.

Directions and dosage: Mix the accompanying bottle of diluent. Rehydrate the vaccine by aseptically adding the diluent to the vaccine vial. Mix well and use immediately. Using aseptic technique, inject 2 mL subcutaneously in front of the shoulder and midway of the neck, away from the suprascapular lymph node. If initial vaccination, repeat with any Express® vaccine containing BRSV MLV and *H. somnus* in 14 to 28 days. Contact your veterinarian or the manufacturer for information on revaccination frequency.

Precautions: Store out of direct sunlight at 35-46°F (2-8°C). Do not freeze. Do not mix with other products, except as specified on the label. Use entire contents when first opened. Do not vaccinate within 21 days before slaughter. Injection site swelling may occur. Stressed cattle should not be vaccinated. In case of anaphylactoid reaction, administer epinephrine. In case of human exposure, contact a physician. Inactivate unused contents before disposal. Fetal health risks associated with vaccination of pregnant animals with this vaccine cannot be unequivocally determined by clinical trials conducted for licensure. Appropriate strategies to address the risks associated with vaccine use in pregnant animals should be discussed with a veterinarian.

No vaccine can be expected to have 100% efficacy under all conditions. A small number of calves persistently infected with BVD may have a devastating effect on herd health.

Note: It is possible that healthy-appearing cattle can be persistently infected with or incubating virulent BVD virus at the time of vaccination. In view of these findings and suggested causes, BVD vaccine is contraindicated in persistently infected cattle and use should be limited only to healthy, immunocompetent, unstressed cattle.

Express® is a registered trademark of Boehringer Ingelheim Animal Health USA Inc.

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VLN/PCN 124/44C9.21

10 Doses Rehydrate with 20 mL	This package contains one 10 dose vial of MLV vaccine and one 20 mL vial of bacterin diluent.	126401-06
50 Doses Rehydrate with 100 mL	This package contains one 50 dose vial of MLV vaccine and one 100 mL vial of bacterin diluent.	126402-05

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