

Express® FP 3-VL5

PI Fetal Protection Reproductive Combination Vaccine with *Vibrio Lepto*

Description

Bovine Rhinotracheitis-Virus
Diarrhea-Campylobacter fetus-Leptospira
canicola-L. grippityphosa-L. hardjo-
L. icterohaemorrhagiae-L. pomona Bacterin.
Express® FP 3-VL5 contains neomycin as
a preservative.

Features

Convenient combination for the breeding
herd; three major viral components plus
5-way Lepto and *C. fetus* (*Vibrio*)

Express FP family of vaccines is the first
vaccine line licensed by the USDA that
prevents persistently infected calves caused
by BVD Types 1&2

Proven studies show protection against
4 different strains, including BVD Type
1a, 1b and Type 2

Engineered to provide 90-99% protection
against persistently infected (PI) calves due
to BVD Types 1&2

Proven protection against both cytopathic
and non-cytopathic strains of BVD

A controlled study showed 90-99% efficacy
in preventing abortions due to BVD Type 2

Separate controlled studies showed the onset
of protection against IBR at 3 days¹ and
BVD Type 2 at 5 days post-vaccination²

BQA compliant 2 mL Sub-Q dose

Benefits

Provides the strongest protection available
to the market in a vaccine for the prevention
of PI calves due to BVD Types 1&2

The vaccine comes with a BIVI guarantee
that covers the cost of a BVD PI calf being
born into a herd, thereby removing producer
risk (see guarantee for complete details)

Broad coverage for major reproductive and
respiratory diseases that affect cattle

Combination reduces number of injection
sites and labor

Reduces concern of vaccine
virus shedding

Meets the BQA low
dose guidelines

Advantages

Express FP 3-VL5 vaccine provides the
ultimate in protection against BVD Types
1&2, including removing the risk of PI
calves being born into the herd

Dosage & Administration

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 *C. fetus* and
Leptospira fractions (Citadel™ VL5) in
14-28 days. Calves vaccinated before
6 months of age should be revaccinated at
6 months or at weaning. A 2 mL booster
dose is recommended once annually.

Cows and Heifers: Using aseptic technique,
annually inject a single 2 mL dose
subcutaneously at or about 4 weeks prior to
breeding. If initial vaccination, see above.

Precautions

Store out of direct sunlight at 35-45°F
(2-7°C). Avoid freezing. Use entire contents
when first opened. Burn container and
all unused contents. Do not vaccinate
within 21 days of slaughter. Stressed cattle
should not be vaccinated. Do not use in
pregnant cows or calves nursing pregnant
cows. Anaphylactoid reactions may occur.
Antidote: Epinephrine

Uses

Express FP 3-VL5 is recommended
for the vaccination of healthy cows
and replacement heifers prior to
breeding to prevent persistently infected
calves caused by BVD Types 1&2. For the
vaccination of healthy susceptible cattle as an
aid in reduction of respiratory disease caused
by IBR-BVD Types 1&2, as an aid in the
reduction of infertility, delayed conception
or abortion caused by *Campylobacter fetus*
and leptospirosis caused by *Leptospira*
canicola, *L. grippityphosa*, *L. hardjo*,
L. icterohaemorrhagiae and *L. pomona*.

Warning

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
to healthy, immunocompetent, unstressed,
non-pregnant cattle.

Product Information

Name	Code	Size
Express® FP 3-VL5	129021000	20 mL 10 doses
	129031000	100 mL 50 doses

Highlights

- The 1st vaccine licensed with a label claim for prevention of PI calves due to BVD Types 1&2
- Product comes with a BIVI guarantee to remove the risk of a BVD PI calf being born into a herd
- Five studies have shown 90-99% protection against PI calves due to BVD Types 1&2
- Provides convenient and broad reproductive and respiratory protection in one syringe
- Part of the fetal protection family formerly known as Breed-Back® FP



**Bovine Rhinotracheitis-
Virus Diarrhea Vaccine,
Modified Live Virus, *Campylobacter*
Fetus-*Leptospira Canicola-
Grippotyphosa-Hardjo-
Icterohaemorrhagiae-
Pomona* Bacterin**

Express® FP 3-VL5

50 Doses/Rehydrate with 100 mL

Express® FP 3-VL5

This package contains one 50 dose vial of MLV vaccine and one 100 mL vial of bacterin diluent.

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, nonpregnant cattle.



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**Boehringer Ingelheim
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U.S. Veterinary License No. 124
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Indications: For the vaccination of healthy cows and replacement heifers prior to breeding to prevent persistently infected calves caused by Bovine Virus Diarrhea Types 1 and 2. For the vaccination of healthy, susceptible cattle as an aid in the reduction of respiratory disease caused by Infectious Bovine Rhinotracheitis (IBR) and Bovine Virus Diarrhea (BVD) Types 1 and 2, as an aid in the reduction of infertility, delayed conception, or abortion caused by *Campylobacter fetus* var. *venerealis* and leptospirosis caused by 5 serovars of *Leptospira* (*L. canicola*, *L. grippotyphosa*, *L. hardjo*, *L. icterohaemorrhagiae*, and *L. pomona*).

Composition: The product in the amber glass vial contains IBR, BVD Types 1 and 2 modified live viruses. The plastic vial contains *C. fetus* and the *Leptospira* organisms listed above, in an adjuvant system. Contains neomycin as a preservative.

Directions: Rehydrate the vaccine by adding the accompanying killed bacterin diluent to the vaccine vial. Shake well.

Dosage: 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 *C. fetus* and *Leptospira* fractions (Citadel™ VL5) in 14-28 days. Calves vaccinated before 6 months of age should be revaccinated at 6 months or at weaning. A 2 mL booster dose is recommended once annually. Cows and Heifers: Using aseptic technique, annually inject a single 2 mL dose subcutaneously at or about 4 weeks prior to breeding. If initial vaccination, see above.

Precautions: Store out of direct sunlight at 35–45°F (2–7°C). Avoid freezing. Use entire contents when first opened. Burn containers and all unused contents. Do not vaccinate within 21 days before slaughter. Stressed cattle should not be vaccinated. Do not use in pregnant cows or in calves nursing pregnant cows. Anaphylactoid reactions may occur. Antidote: Epinephrine.

Warning: Animal inoculation only. Accidental injection to humans can cause serious local reactions. Contact a physician immediately if accidental injection occurs.

1 K. Fairbanks, J. Campbell, C. Chase, et al. Rapid Onset of Protection Against Infectious Bovine Rhinotracheitis with a Modified Live Multivalent Vaccine. *Veterinary Therapeutics*, Volume 5, No. 1, Spring 2004.

2 K. Brock, et al. Rapidity of protection following vaccination against BVDv. *BVD Control: The Future is Now Conference*, January 2006.

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