

FOR ANIMAL USE ONLY

BOVI-SHIELD® FP 4+L5

Reg. No.G3359 Act 36/1947

Namibia Reg. No. NSR 1338

For use under the control of a veterinarian only.

INDICATIONS:

Bovi-Shield® FP 4+L5 is recommended for vaccination of healthy cows and heifers prior to breeding as an aid in preventing abortion caused by infections bovine rhinotracheitis (IBR), bovine herpes-virus Type 1 virus; persistent calf infection caused by bovine virus diarrhea (BVD) virus Type 1 and 2; respiratory disease caused by IBR, BVD Type 1 and 2, para-influenza₃ (PI₃) and bovine respiratory syncytial virus (BRSV); and leptospirosis caused by *Leptospira canicola*, *L. grippotyphosa*, *L.hardjo*, *L.icterohaemorrhagiae*, and *L.pomona*.

Bovi-Shield® FP 4+L5 may also be administered to calves nursing pregnant cows provided they were vaccinated prior to breeding, with this vaccine.

STORAGE INSTRUCTIONS:

Store at 2 - 7°C. Protect from heat and light.

COMPOSITION:

Bovi-Shield® FP 4+L5 is a freeze-dried preparation of modified live virus (MLV) strain of IBR, BVD, PI₃ and BRSV viruses, plus a liquid bacterin containing the 5 *Leptospira* serovars, identified above.

The liquid bacterin is used to re-hydrate the freeze-dried vaccine. Viral antigens are propagated on an established cell line.

WARNINGS:

Do not slaughter cows for human consumption within 21 days after vaccination.

Vaccinate healthy cattle only.

Do not use in pregnant cows (abortion can result) unless they were vaccinated prior to breeding. Keep out of reach of children and uninformed persons.

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

Accidental contact of the vaccine with the eyes could lead to a severe transient conjunctivitis in humans. Consult a physician and inform her the vaccine contains live virus (MLV) strains and BRSV.

Destroy any unused reconstituted vaccine empty containers by burning, after completion of the vaccination.

Although this vaccine has been extensively tested under a large variety of conditions, failure thereof may ensue as a result of a wide range of reasons. If this is suspected, seek veterinary advice and notify the registration holder.

PRECAUTIONS:

Observe aseptic precautions. Ensure that all vaccination equipment is clean and sterile prior to use.

Use according to the number of doses as indicated on the label.

Do not mix with other vaccines.

Use entire contents of the vial when first opened-do not store partially used container for the future use.

Contains gentamycin as preservative.

Do not use contents of damaged vials.

It is good vaccination practice when handling the vaccine to avoid contact with the eyes, hands and clothing.

DIRECTIONS FOR USE:

USE ONLY AS INDICATED.

General Directions: Vaccination of healthy cattle is recommended. Aseptically rehydrate the freeze-dried vaccine (Bovi-Shield FP[®] 4) with the liquid bacterin provided (Leptoferm-5[®]+A), shake well and administer 2ml intramuscularly (muscular region of the neck).

Primary Vaccination: Administer a single 2ml dose to healthy cattle, followed by a booster dose of **Bovi-Shield FP 4+L5**, four weeks later.

In preventing IBR-induced abortion and BVD persistently infected calves, administer a dose approximately 1 month prior to breeding.

Revaccination: Annual revaccination with a single dose of **Bovi-Shield[®] FP 4+L5** is recommended.

PRESENTATION:

Bovi-Shield[®] FP 4+L5 is marketed in clear, sterile and sealed 10 and 50 dose vials. One vial Bovi-Shield[®] FP4 and one vial Leptoferm-5[®] + A per carton.

REGISTRATION HOLDER:

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