



Complete respiratory protection

Bovilis® Vista Once SQ

The only vaccine available in South Africa with live *Mannheimia haemolytica* and *Pasteurella multocida*, together with the 5 most common BRD (bovine respiratory disease) causing viruses.





What is Bovilis® Vista Once SQ?

Bovilis® Vista Once SQ is the only vaccine available in South Africa with live *Mannheimia haemolytica* and *Pasteurella multocida*, together with the 5 most common BRD (bovine respiratory disease) causing viruses.

IBR



IBR is an acute, highly contagious disease of cattle caused by bovine herpesvirus type 1 (BHV-1) resulting in severe respiratory tract infections and reproductive losses.

BVD



Bovine Viral Diarrhea Virus Type 1 and 2 (BVDV) causes significant gastrointestinal, respiratory, and reproductive diseases with severe depression of the immune system of cattle worldwide. It causes continuous economic losses to the cattle industry, primarily due to decreased reproductive performance.

PI₃



Parainfluenzavirus 3 infects the upper respiratory mucosa, predisposing cattle to concurrent infections with respiratory pathogens.



BRSV



A respiratory virus that can cause disease in adult cattle however, it is more severe in young calves under 6 months of age.

Mannheimia haemolytica



Mannheimia haemolytica – The most common cause of pneumonia in cattle that results in severe lung damage and death.

Pasteurella multocida



Pasteurella multocida as the cause of pneumonia, is increasing in feedlot cattle in recent years¹.

Bovilis® Vista Once SQ
gives you the
MOST COMPLETE
respiratory protection
with a **SINGLE**
administration.



What are the benefits of vaccinating with Bovilis® Vista Once SQ?

Modified-live bacterial *Mannheimia* and *Pasteurella* components, mimicking natural infection in the body, leading to a more complete immune response.

Bovilis® Vista Once SQ has been shown to protect against the following respiratory diseases for **365 days**.

- Bovine viral diarrhoea virus (BVD) type 1
- Bovine viral diarrhoea virus (BVD) type 2
- Bovine herpes virus 1 (IBR)

Protect against respiratory IBR disease **3 days after vaccination**².

BVD type **1b cross protection**³.

BVD type 2 protection in the face of maternal antibodies⁴.

One-dose BRSV protection – no booster required in first year of use.

Aids in the prevention of foetal (congenital) infection, including persistently infected calves, caused by BVD virus (types 1 & 2) for 206 days. It has been shown that the prevalence of congenitally infected (from 120 days of pregnancy) calves, is 16-24 times higher than persistently infected calves⁵.

Aids in the **reduction of abortion due to IBR** for 217 days.

No tissue damage with a **subcutaneous administration** leading to better quality beef.

Risk of vaccine reactions are less with a **non-adjuvanted** vaccine, such as **Bovilis® Vista Once SQ**.

Vaccination programme



Inject 2 ml of vaccine subcutaneously to healthy cattle 3 months of age or older. Annual revaccination is recommended. Safe for use in pregnant heifers and cows, or calves nursing pregnant cows, provided the cows and heifers in the herd are vaccinated prior to breeding, within the previous 12 months with **Bovilis® Vista Once SQ**.

100 ml vial comes with an easy to use mixing needle.

CAUTION: NEEDLE IS SHARP AND MAY CAUSE INJURY TO SELF OR ANIMALS IF NOT HANDLED PROPERLY OR DISPOSED OF PROPERLY.

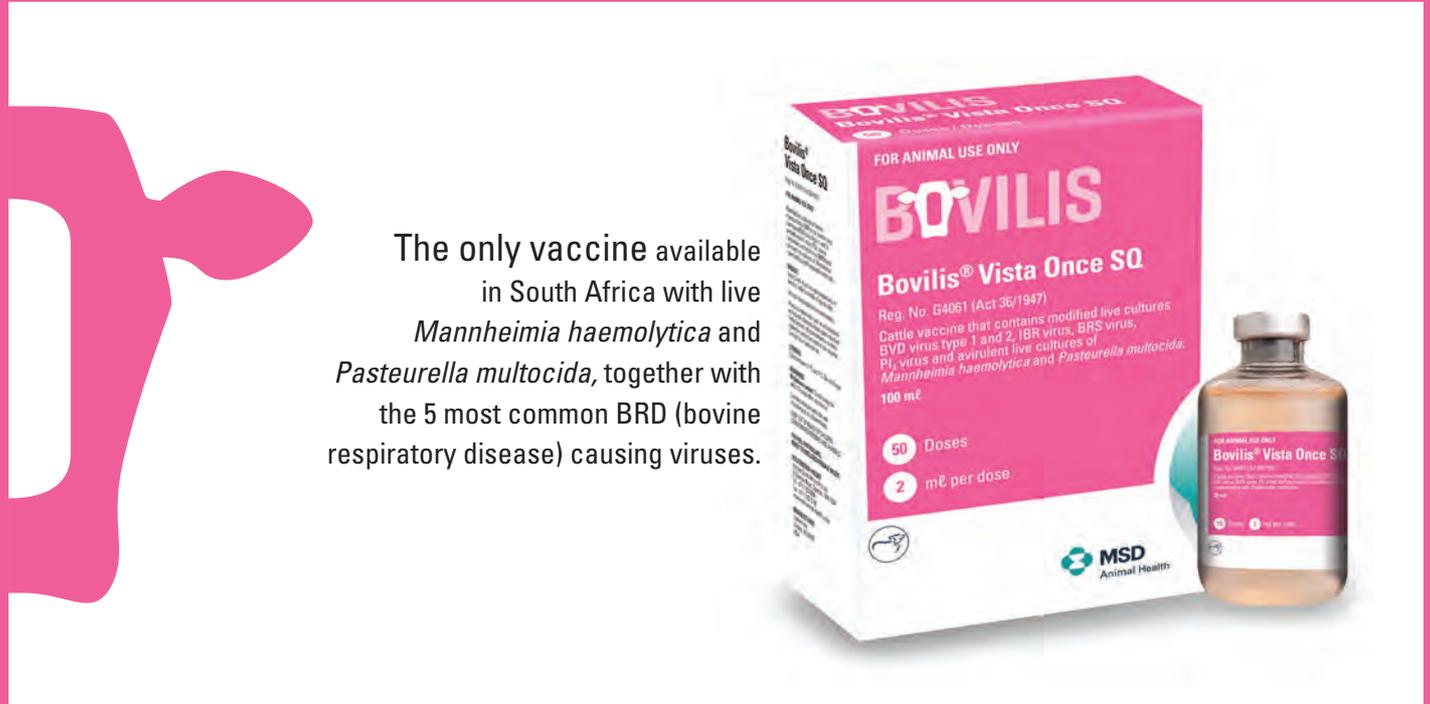
1. Insert needle beyond breather valve into cake vial to remove vacuum.
2. Turn cake vial upside down and fully insert needle into sterile diluent or bacterin diluent bottle. Be sure to clear cap with breather valve.
3. Turn attached vial and bottle so the cake vial is underneath the sterile diluent or bacterin diluent bottle and squeeze enough sterile diluent or bacterin diluent into cake vial to rehydrate cake. Mix well.
4. Turn attached bottles so rehydrated cake mixture is above sterile diluent or bacterin diluent bottle. Squeeze air into rehydrated cake mixture vial.
5. Squeeze and release sterile diluent or bacterin diluent bottle until all the solution in the rehydrated cake mixture vial drains into the sterile diluent or bacterin diluent bottle.
6. Separate the cake vial and needle from the sterile diluent or bacterin diluent bottle. Using the tab, remove the back of the cake vial label. Place the separated label over the sterile diluent or bacterin diluent bottle label to accurately identify the newly created solution.

Available in 10 and 50 dose vials.

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BOVILIS

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BOVILIS® VISTA ONCE SQ Reg. No. G4061 (Act 36/1947). Modified live cultures of bovine rhinotracheitis (IBR) virus, bovine virus diarrhoea (BVD) virus (type 1 and 2), parainfluenza 3 virus (PI3), bovine respiratory syncytial virus (BRSV) and avirulent live cultures of *Mannheimia haemolytica* and *Pasteurella multocida*.

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ZA/BVSQ/0519/0005

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2. Burdett, WW, Bolton, MW, Kesl, L, Nordstrom, ST, Renter, DG, Roth, JA, et al. 2011. Evaluation of the onset of protective immunity from administration of a modified-live, non-adjuvanted vaccine prior to intranasal challenge with bovine herpesvirus-1. *The Bovine Practitioner*. Vol 45, No 1. pp. 32-39
3. Xue, W, Mattick, D, Smith, L, Umbaugh, J and Trigo, E. 2011. Vaccination with a modified-live bovine viral diarrhoea virus (BVDV) type 1a vaccine completely protected calves against challenge with BVDV type 1b strains. *Vaccine*. Vol 29. pp. 70-76.
4. Stevens, ET, Brown, MS, Burdett, WW, Bolton, MW, Nordstrom, ST, et al. 2011. Efficacy of an non-adjuvanted, modified-live virus vaccine in calves with maternal antibodies against a virulent bovine viral diarrhoea virus type 2a challenge seven months following vaccination. *The Bovine Practitioner*. Vol 45, No 1. pp. 23-30.
5. Data on file.

