



# Bruce19vac®

Freeze-dried live attenuated *Brucella abortus* strain S19 Vaccine

Brucellosis is a zoonotic disease and considered to be one of the most important diseases of animals caused by *Brucella* microorganisms. Control measures are based on strict hygiene and vaccination of susceptible animals like cattle and buffaloes.

## COMPOSITION:

Each dose contains 50-100 X 10<sup>9</sup> viable organisms of freeze-dried live attenuated *Brucella abortus* strain S19.

## CHARACTERISTICS:

The S19 attenuated *Brucella abortus* vaccine has the following characteristics:-

- Stable.
- No local or systemic reaction.
- Does not spread from animal to animal.
- Provides satisfactory protection for several years against *Brucella abortus*.
- Vaccination is followed by an immune responses and demonstration of specific antibodies.

## INDICATIONS:

Prevention of Brucellosis in cattle and buffaloes.

## DOSAGE AND ADMINISTRATION:

- Dosage is 3 ml per animal.
- Dissolve the freeze-dried pellet vaccine with the sterile diluent (6 ml for 2 doses, 15 ml for 5 doses and 30 ml for 10 doses).

- Vaccinate female calves (cattle & buffaloes) at age of 3-6 months with a single dose subcutaneously; (preferably under the skin of the neck just in front of the shoulders).
- Use the vaccine immediately after reconstitution (within two hours in cool conditions).

## WITHDRAWAL PERIOD:

- Meat: 21 days.
- Milk: 90 days.

## CONTRAINDICATIONS:

- Do not vaccinate sick or stressed animals.
- Do not use antibiotics or other antibacterial substances for 7 days before and 14 days after vaccination.

## SPECIAL PRECAUTIONS:

- Do not use syringe and needle cleaned or sterilized by antiseptics.
- Use only clean, antiseptic or disinfectant-free materials for the preparation of the vaccine solution.
- *Brucella abortus* S19 vaccine is pathogenic for humans; care should be taken to avoid accidental injection.
- Medical advice should be sought in the event of accidental exposure.

- Unused opened vaccine containers and waste material should be decontaminated with suitable disinfectants (phenolics, iodophores or formaldehydes) at a recommended concentration.

## STORAGE PRECAUTIONS:

- Store between +2°C to +8°C.
- Protect from direct sunlight.
- Do not freeze.
- The vaccine remains stable for 18 months from production date stated on the label under the recommended storage conditions.

## PRESENTATION:

Vials of: 2 doses, 5 doses and 10 doses.

## FOR VETERINARY USE ONLY.

**Jovac**

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