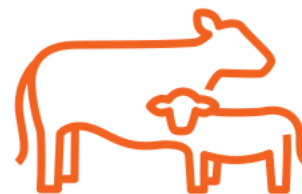


## CATTLE PRODUCT INFORMATION SHEET

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# Ultravac<sup>®</sup> Botulinum Vaccine



### Description

Ultravac Botulinum Vaccine is used to prevent botulism in cattle and sheep.

### Key Benefits

- Tens of millions of doses of Ultravac Botulinum vaccine have been sold over the years. Cattle producers trust the Zoetis brand and have grown accustomed to the high quality and service that Zoetis offers.
- Ultravac Botulinum Vaccine has a low 2.5mL dose that reduces required refrigerated storage space and fewer pack changes are needed during herd vaccination.

### Approved Uses

Ultravac Botulinum vaccine provides protection against both *C. botulinum* Type C and Type D in sheep and cattle.

### Dosage

#### Dose Rate

This product can be stored and used for up to 30 days after first opening.

The route of inoculation is subcutaneous (injected under the skin). The recommended site for injection is high on the neck, behind the ear.

The recommended dose for cattle of all ages is 2.5mL, and for sheep of all ages is 1mL.

One dose of vaccine is sufficient to confer protection in areas where botulism is endemic but, whenever possible, each animal should be given a second dose of vaccine with an interval of four to six weeks between doses.

Thereafter, one dose each year is sufficient to maintain immunity.

#### Development of Immunity

As maximum immunity develops about four weeks after vaccination, the best time to commence vaccination is four to eight weeks before the date at which deaths usually occur.

### Withholding Period

Nil.

### Schedule

Nil.

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Ultravac<sup>®</sup> Botulinum Vaccine

## Ultravac® Botulinum Vaccine

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### Disposal

Dispose of empty containers by wrapping in paper and putting in garbage.

Discarded needles should immediately be placed in a designated and appropriately labelled 'sharps' container.

Incineration is the preferred method of disposal.

### Storage Recommendations

Store at 2°C to 8°C (Refrigerate. Do not freeze). Protect from light.

### Registered Label Warnings

#### Precautions

Take care to avoid self-injection.

#### Side Effects

Localised swelling may develop at the site of injection and a firm, nodular lump may persist for some weeks, even months.

### Safe Use Recommendations

Take care to avoid accidental self-injection.

In the event of self-administration, seek medical attention if you are concerned and show the package leaflet or the label, to the Medical Practitioner.

### First Aid

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 1126.

This material may cause a mild allergic reaction in sensitive individuals on skin contact. Avoid skin contact. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water.

### References:

Zoetis Australia Pty Ltd. Ultravac® Botulinum [Package insert]. Rhodes, NSW: Zoetis Australia Pty Ltd.

Zoetis.com.au. (2019). Ultravac® Botulinum | Zoetis AU. [online] Available at: <https://www.zoetis.com.au/product-class-new/vaccines/ultravac-botulinum.aspx> [Accessed 3 May 2019].

