# Caliber<sup>™</sup> 7

## **Clostridia Vaccine**

## Description

Clostridium Chauvoei-Septicum-Novyi-Sordellii-Perfringens Types C & D Bacterin-Toxoid. Caliber<sup>™</sup> 7 bacterin-toxoid is prepared from chemically inactivated cultures of the above organisms.

## Features

Low volume 2 mL dose.

Sub-Q administration.

Approved for use in cattle and sheep.

#### **Benefits**

Low risk of tissue reaction at the injection site.

Complies with NCBA Beef Quality Assurance guidelines.

Eliminates tissue damage resulting from IM administration.

## **Advantages**

Caliber 7 is a low volume 2 mL Sub-Q administration seven-way clostridia vaccine. Caliber 7 is safe for use in all cattle and sheep.

## **Dosage & Administration**

Using aseptic technique inject a single 2 mL dose. Repeat in 21 to 28 days. A 2 mL booster dose is recommended annually.

#### Precautions

Store at  $35^{\circ}$  -  $45^{\circ}$  F ( $2^{\circ}$  -  $7^{\circ}$  C). Avoid freezing. Shake well before using. Use entire contents when first opened. Do not vaccinate within 21 days of slaughter. Anaphylactoid reactions may occur.

Antidote: Epinephrine.

#### Uses

Caliber 7 is recommended for vaccination of healthy, susceptible cattle, and sheep against disease caused by *Clostridium chauvoei, Cl septicum, Cl novyi, Cl sordellii,* and *Cl perfringens* Types C and D. Immunity may be provided against the beta and epsilon toxins elaborated by *Cl perfringens* Type B. This immunity is derived from the combination of Type C (beta) and Type D (epsilon) fractions.

## Warning

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

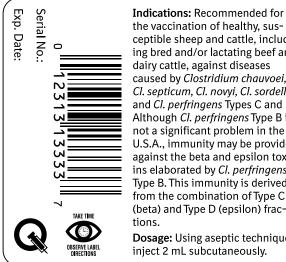
## **Product Information**

Name	Code	Size
Caliber <sup>™</sup> 7	133-311	20 mL 10 doses
	133-331	100 mL 50 doses
	133-351	500 mL 250 doses

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# Highlights

- Low volume 2 mL dose.
- Sub-Q administration.
- Approved for use in all cattle and sheep.
- Complies with BQA guidelines.



the vaccination of healthy, susceptible sheep and cattle, including bred and/or lactating beef and dairy cattle, against diseases caused by Clostridium chauvoei, Cl. septicum, Cl. novyi, Cl. sordellii, and Cl. perfringens Types C and D. Although Cl. perfringens Type B is not a significant problem in the U.S.A., immunity may be provided against the beta and epsilon toxins elaborated by Cl. perfringens Type B. This immunity is derived from the combination of Type C (beta) and Type D (epsilon) fractions.

Dosage: Using aseptic technique, inject 2 mL subcutaneously.

Clostridium Chauvoei-Septicum-Novyi-Sordellii-**Perfringens Types C&D Bacterin-Toxoid** Caliber<sup>™</sup> 7

50 Doses/100 mL

Repeat in 21 to 28 days and once annually.

Precautions: Store at 35-45°F (2-7°C). Avoid freezing. Shake well before using. Use entire contents when first opened. Do not vaccinate within 21 days before slaughter. Anaphylactoid reactions may occur.

Antidote: Epinephrine. **Boehringer Ingelheim** Vetmedica, Inc. St. Joseph, MO 64506 U.S.A. U.S. Veterinary License No. 124 Code 133-331; 33302-00

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