



CUBOLAC[®]

A Policlostridial inactivated vaccine for
prevention of Clostridiosis in cattle and sheep

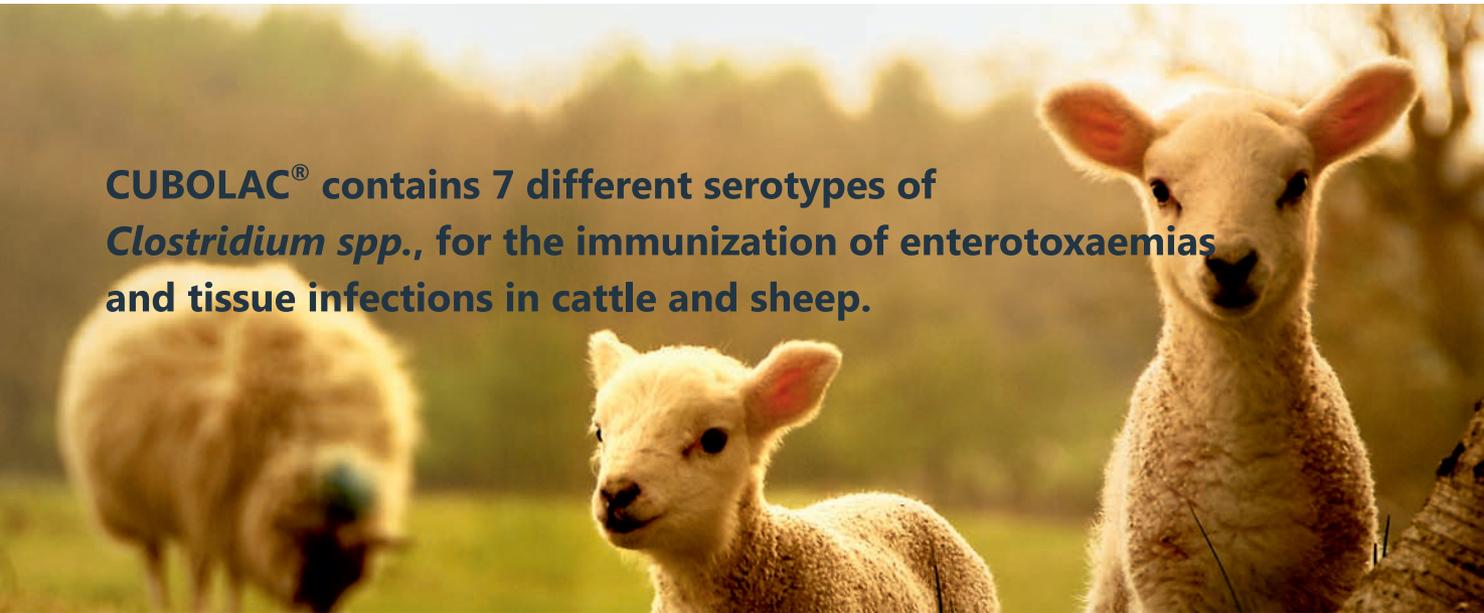
CUBOLAC®

Ultimate protection

CUBOLAC® has a protection against 8 types of diseases of ruminant: Enterotoxaemias, pulpy kidney disease, struck, blackleg and post parturient gangrene, necrotic hepatitis (black disease), gas gangrene and malignant oedema (braxy).

The best selection of antigens

Antigens of CUBOLAC® are selected according to geographic statistic and epidemiologic data of clostridial disease, avoiding some irrelevant antigens in practice that interfere in the immune response.



CUBOLAC® contains 7 different serotypes of *Clostridium spp.*, for the immunization of enterotoxaemias and tissue infections in cattle and sheep.

Highly stable

CUBOLAC® has a shelf life of 36 months, with the same efficacy and protection, which makes it exceptionally stable.

Packaging benefits

Collapsible plastic easy to manipulate without risk of container breakage, thanks to their plastic bottle.

Optimal antigenic blend

The best concentration of different bacteria and toxoids of clostridium that produces an adequate immunity.

A safest vaccine

Each dose contains the least amount of antigenic protein that provides maximum protection, with a process of antigens highly purified and concentrated by ultrafiltration. This product can be applied by SC or IM route with the same safety.



Excellent quality and support

The best manufacturing clostridial process, high purity and quality with European GMP. It is European leader in clostridial production.

Performance benefits

- Control of the outbreaks related to Clostridium infection.
- Reduces mortality.
- Low adverse reactions after vaccination.

CUBOLAC®

Indications:

For the active and passive immunisation of bovine and ovine against blackleg, infectious necrotic hepatitis, malignant oedema and enterotoxaemias caused by *C. chauvoei*, *C. novyi* Type B, *C. septicum*, *C. sordellii* and *C. perfringens* Types A, C and D. It also provides immunity against *C. perfringens* Type B, due to the combination of fractions of Type C (β toxin) and Type D (ϵ toxin).

Composition: Each dose of 2 ml contains:

Active substances:

α toxoid of <i>C. perfringens</i> Type A.....	≥ 0.3 IU*
β toxoid of <i>C. perfringens</i> Type C.....	≥ 10 IU*
ϵ toxoid of <i>C. perfringens</i> Type D.....	≥ 5 IU*
α toxoid of <i>C. septicum</i>	≥ 2.5 IU*
α toxoid of <i>C. novyi</i> Type B.....	≥ 3.5 IU*
Toxoid of <i>C. sordellii</i>	100% protection**
Inactivated <i>Cl. chauvoei</i>	100% protection**

* IU: International units of antitoxin per ml of rabbit serum.

** Level of protection in guinea pigs according to (Ph. Eur.).

Adjuvant:

Aluminium hydroxide (Al^{+3})2.8 mg

Excipient:

Thiomersal.....0.2 mg

Routes of administration: Subcutaneous or intramuscular

Dosage:

Bovine: Administer doses of 5 ml

Ovine: Administer doses of 2 ml

Primary course of immunization: Consists of two doses. The second dose should be administered at least 6 weeks after the first dose.

Pregnant females should be vaccinated 14 days before birth occurs. They will then be able to pass on enough antibodies through the colostrum to enable their offspring to be passively protected against enterotoxaemias for the first weeks of life, provided the newborn suck normally within the first hours of life.

Young animals born to unvaccinated mothers: vaccination from two weeks of age.

Young animals born to vaccinated mothers: vaccination from 10-12 weeks of age.

Revaccination: administer a single dose every six months.

Packaging: Vial of 100 ml and 250 ml.

Adverse reactions: The vaccine contains an adjuvant which very rarely may give rise to the formation of a nodule at the site of injection which disappears in few weeks.

As with other vaccines, hypersensitivity reactions may occur very rarely. In such cases, appropriate antihistaminic treatment should be administered without delay.

Withdrawal period: 0 days.

Special precautions for storage: Store in a refrigerator (between 2 °C and 8 °C). Do not freeze. Protect from light.

Medicinal product subject to veterinary prescription.

Administration under control or supervision of a veterinary surgeon.

Register number 1187 ESP

For more information

www.preventingwithexperts.com

:CZ VACCINES

A Relva s/n. 36400 Porriño. Pontevedra (Spain)

Tel. +34 986 330 400 | info@czvaccines.com

www.czvaccines.com