



# JOVACLOST®

## Inactivated suspension for injection adsorbed vaccine against Clostridial diseases

### STATEMENT OF THE ACTIVE SUBSTANCE(S) AND OTHER INGREDIENTS:

- Active substance:  
Each dose contains sufficient amount of toxoids and anacultures to obtain at least: *Clostridium perfringens* (types A, B, C & D)  $\geq 4$  IU of  $\alpha$  antitoxin / ml,  $\geq 10$  IU of  $\beta$  antitoxin / ml,  $\geq 5$  IU of  $\epsilon$  antitoxin / ml, *Clostridium septicum*  $\geq 2.5$  IU of  $\alpha$  antitoxin / ml, *Clostridium novyi* (type A and B)  $\geq 3.5$  IU of  $\alpha$  antitoxin / ml, *Clostridium sordellii*  $\geq 1.0$  IU of sordellii antitoxin / ml and *Clostridium chauvoei*  $\geq 90\%$  protection.
- Other ingredients:  
Aluminum hydroxide gel:  $< 4$  mg / ml.

### INDICATIONS:

Jovaclost vaccine is used to prevent enterotoxaemia / pulpy kidney, struck, gas gangrene, black disease, braxy; malignant oedema and blackleg in livestock.  
Onset of immunity: 21 days post vaccination.  
Duration of immunity: 1 year.

### CONTRAINDICATIONS:

Do not vaccinate sick or stressed animals.

### ADVERSE REACTIONS:

None.

If you notice any side effects please inform your veterinarian.

### TARGET SPECIES:

Sheep, goats, cattle and camels.

### DOSEAGE:

- Administer subcutaneously, (preferably in the elbow region for sheep & goats and under the skin of the neck just in front of the shoulders for cattle & camels) as follows:

Lamb and kids:	1 ml
Sheep & goats:	2 ml
Cattle & camels:	5 ml
- Vaccination of adult animals:
  - First vaccination: vaccinate with one recommended dose at any age, revaccinate after 4-6 weeks of first vaccination.
  - Second vaccination: vaccinate with one recommended dose annually, preferably 2-6 weeks before lambing / kidding / calving to ensure a good level of immunity.
- Vaccination of new born animals:
  - In lambs and kids:
    - Born animals of non-vaccinated dams:  
Vaccinate with one recommended dose at one month of age and revaccinate with one recommended dose

after 3-4 weeks of first vaccination.

- Born animals of vaccinated dams:  
Vaccinate with one recommended dose at 8-12 weeks of age and revaccinate with one recommended dose after 3-4 weeks of first vaccination, so as not to interfere with the maternal derived antibodies.
- In Calves (cattle and camels):  
Vaccinate with one recommended dose at 3 months of age and revaccinate with one recommended dose after 3-4 weeks of first vaccination.

### ADVICE ON CORRECT ADMINISTRATION:

- Shake well before use.
- Apply usual aseptic procedures.
- Avoid stress when vaccinating.

### WITHDRAWAL PERIOD:

Zero days.

### SPECIAL STORAGE PRECAUTIONS:

- Store in a refrigerator (2°C-8°C).
- Protect from direct sunlight.
- Do not freeze.
- Keep out of the reach and sight of children.
- Shelf life after first opening: Use the vaccine within 8 hours after first opening.
- The vaccine remains stable for 2 years from production date stated on the label under the recommended storage conditions.

### SPECIAL WARNING(S):

**Special warnings for each target species:**

Vaccinate healthy animals only.

**Special precautions for use in animals:**

Not applicable.

**Special precautions to be taken by the person administering the medicinal product to animals:**

Although Jovaclost vaccine is an inactivated vaccine and is not pathogenic for humans; care should be taken to avoid accidental injection. Should accidental injection occur immediate medical care should be sought.

**Use during pregnancy, lactation, fertility:**

Can be used during pregnancy, lactation and breeding.

**Interaction with other medicinal products and other forms of interaction:**

No information is available on the safety and efficacy of this vaccine when used with any other veterinary medicinal product. A decision to use this vaccine before and after any other veterinary medicinal product therefore needs to be made on a case by case basis.

### Overdose:

2X dose of a vaccine:

None.

If you notice any side effects please inform your veterinarian.

### SPECIAL PRECAUTIONS FOR DISPOSAL:

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal product should be disposed of in accordance with local requirements.

### OTHER INFORMATION:

Polyvalent inactivated adsorbed vaccine against Clostridial diseases in cattle, sheep, goats and camels.

Clostridiosis in livestock cause heavy economic losses worldwide, by causing high mortalities and weight loss. Control measures are based on strict hygiene and vaccination of susceptible animals like ruminants.

### Package sizes:

Bottles of: 50 ml, 100 ml, 250 ml and 500 ml.

### FOR VETERINARY USE ONLY.



Jovac

### MANUFACTURING AUTHORIZATION HOLDER AND MANUFACTURED BY:

JORDAN BIO INDUSTRIES CENTER

Tel. +962 6 5232162, Fax: +962 6 5232210

P.O. Box 43, Amman 11941- Jordan

E-mail: info@jovaccenter.com, www.jovaccenter.com