

**PARTICULARS TO APPEAR ON THE OUTER PACKAGE CARDBOARD BOX
FOR 50 ML AND 100 ML BOTTLES**

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Covexin 10 suspension for injection.

2. STATEMENT OF ACTIVE AND OTHER SUBSTANCES

Each 1 ml of vaccine contains:

<i>C. perfringens</i> type A toxoid	≥ 0.9 U
<i>C. perfringens</i> type B & C (β) toxoid	≥ 12.4 U
<i>C. perfringens</i> type D (ε) toxoid	≥ 5.1 U
<i>C. chauvoei</i> whole culture, inactivated	meets Ph. Eur.
<i>C. novyi</i> toxoid	≥ 1.2 U
<i>C. septicum</i> toxoid	≥ 3.6 U
<i>C. tetani</i> toxoid	≥ 2.5 U
<i>C. sordellii</i> toxoid	≥ 0.8 U
<i>C. haemolyticum</i> toxoid	≥ 16.5 U

3. PACKAGE SIZE

50 ml
100 ml

4. TARGET SPECIES

Sheep and cattle.

5. INDICATIONS

6. ROUTES OF ADMINISTRATION

Subcutaneous use.

7. WITHDRAWAL PERIODS

Withdrawal period: Zero days.

8. EXPIRY DATE

Exp. {mm/yyyy}
Once broached use within 8 hours.

9. SPECIAL STORAGE PRECAUTIONS

Store and transport refrigerated.
Do not freeze.
Keep the bottle in the outer carton.

Protect from light.

10. THE WORDS “READ THE PACKAGE LEAFLET BEFORE USE”

Read the package leaflet before use.

11. THE WORDS “FOR ANIMAL TREATMENT ONLY”

For animal treatment only.

12. THE WORDS “KEEP OUT OF THE SIGHT AND REACH OF CHILDREN”

Keep out of the sight and reach of children.

13. NAME OF THE MARKETING AUTHORISATION HOLDER

Zoetis UK Limited

14. MARKETING AUTHORISATION NUMBERS

Vm 42058/5120

15. BATCH NUMBER

Lot {number}

16. SPECIAL WARNING(S), IF NECESSARY

17. SPECIFIC PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY

Disposal: Read package leaflet.

18. CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE IF APPLICABLE

POM-V Veterinary medicinal product subject to prescription

PARTICULARS TO APPEAR ON THE IMMEDIATE PACKAGE 100 ML BOTTLE

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Covexin 10 suspension for injection.

2. STATEMENT OF ACTIVE AND OTHER SUBSTANCES

Each 1 ml of vaccine contains:

<i>C. perfringens</i> type A toxoid	≥ 0.9 U
<i>C. perfringens</i> type B & C (β) toxoid	≥ 12.4 U
<i>C. perfringens</i> type D (ε) toxoid	≥ 5.1 U
<i>C. chauvoei</i> whole culture, inactivated	meets Ph. Eur.
<i>C. novyi</i> toxoid	≥ 1.2 U
<i>C. septicum</i> toxoid	≥ 3.6 U
<i>C. tetani</i> toxoid	≥ 2.5 U
<i>C. sordellii</i> toxoid	≥ 0.8 U
<i>C. haemolyticum</i> toxoid	≥ 16.5 U

100 ml

3. TARGET SPECIES

Sheep and cattle.

4. ROUTES OF ADMINISTRATION

Subcutaneous use.

Read the package leaflet before use.

5. WITHDRAWAL PERIODS

Withdrawal period: Zero days.

6. EXPIRY DATE

Exp. {mm/yyyy}

Once broached use within 8 hours.

7. SPECIAL STORAGE PRECAUTIONS

Store and transport refrigerated.

Do not freeze.

Keep the bottle in the outer carton. Protect from light.

8. NAME OF THE MARKETING AUTHORISATION HOLDER

Zoetis UK Limited

9. BATCH NUMBER

Lot {number}

10. SPECIAL WARNING(S), IF NECESSARY

11. SPECIFIC PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY

Disposal: Read package leaflet.

12. THE WORDS “FOR ANIMAL TREATMENT ONLY” AND CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE IF APPLICABLE

For animal treatment only.

POM-V Veterinary medicinal product subject to prescription

MINIMUM PARTICULARS TO APPEAR ON SMALL IMMEDIATE PACKAGING
UNITS 50 ML BOTTLE

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Covexin 10

2. QUALITATIVE AND QUANTITATIVE PARTICULARS OF THE ACTIVE SUBSTANCES

C. perfringens type A toxoid; *C. perfringens* type B & C (β) toxoid; *C. perfringens* type D (ϵ) toxoid; *C. chauvoei* whole culture, inactivated; *C. novyi* toxoid; *C. septicum* toxoid; *C. tetani* toxoid; *C. sordellii* toxoid; *C. haemolyticum* toxoid.

50 ml

3. BATCH NUMBER

Lot {number}

4. EXPIRY DATE

Exp. {mm/yyyy}

Once broached use within 8 hours.

5. ROUTE(S) OF ADMINISTRATION

SC

6. THE WORDS “FOR ANIMAL TREATMENT ONLY”

For animal treatment only.

PARTICULARS TO APPEAR ON THE PACKAGE LEAFLET:

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Covexin 10 suspension for injection for sheep and cattle

2. COMPOSITION

Each 1 ml of vaccine contains:

Active substances:

<i>C. perfringens</i> type A toxoid	≥ 0.9 U ³
<i>C. perfringens</i> type B & C (β) toxoid	≥ 12.4 U ¹
<i>C. perfringens</i> type D (ε) toxoid	≥ 5.1 U ¹
<i>C. chauvoei</i> whole culture, inactivated	meets Ph. Eur. ²
<i>C. novyi</i> toxoid	≥ 1.2 U ¹
<i>C. septicum</i> toxoid	≥ 3.6 U ¹
<i>C. tetani</i> toxoid	≥ 2.5 U ¹
<i>C. sordellii</i> toxoid	≥ 0.8 U ¹
<i>C. haemolyticum</i> toxoid	≥ 16.5 U ³

¹ In-house ELISA

² Challenge test according to Ph. Eur.

³ In vitro toxin neutralisation test based on haemolysis of sheep erythrocytes.

Adjuvant:

Alum 3.03 – 4.09 mg Aluminium

Excipient:

Thiomersal 0.05 – 0.18 mg

Light brown aqueous suspension that settles on storage.

3. TARGET SPECIES

Sheep and cattle.

4. INDICATIONS FOR USE

For the active immunisation of sheep and cattle against diseases associated with infections caused by *Clostridium perfringens* type A, *C. perfringens* type B, *C. perfringens* type C, *C. perfringens* type D, *Clostridium chauvoei*, *Clostridium novyi* type B, *Clostridium septicum*, *Clostridium sordellii* and *Clostridium haemolyticum* and against tetanus caused by *Clostridium tetani*.

For the passive immunisation of lambs and calves against infections caused by the above mentioned clostridial species (except *C. haemolyticum* in sheep).

Onset of immunity: 2 weeks after the basic vaccination course (as demonstrated by serology only).

Duration of active immunity as demonstrated by serology only:

Sheep: 1 year against *C. perfringens* type A, B, C and D, *C. novyi* type B, *C. sordellii*, *C. tetani*

< 6 months against *C. septicum*, *C. haemolyticum*, *C. chauvoei*

Cattle: 1 year against *C. tetani* and *C. perfringens* type D

< 1 year against *C. perfringens* type A, B and C

< 6 months against *C. novyi* type B, *C. septicum*, *C. sordellii*, *C. haemolyticum*, *C. chauvoei*

Additionally, an anamnestic humoral immune response (immunological memory) to all components was demonstrated after antigen stimulation 1 year after the basic vaccination course.

Duration of passive immunity as demonstrated by serology only:

Lambs:

At least 2 weeks for *C. septicum* and *C. chauvoei*, at least 8 weeks for *C. perfringens* type B and *C. perfringens* type C and at least 12 weeks for *C. perfringens* type A, *C. perfringens* type D, *C. novyi* type B, *C. tetani* and *C. sordellii*. No passive immunity was observed for *C. haemolyticum*.

Calves:

At least 2 weeks for *C. sordellii*, and *C. haemolyticum*, at least 8 weeks for *C. septicum* and *C. chauvoei* and at least 12 weeks for *C. perfringens* type A, *C. perfringens* type B, *C. perfringens* type C, *C. perfringens* type D, *C. novyi* type B, and *C. tetani*.

5. CONTRAINDICATIONS

Do not use in sick or immunodeficient animals.

6. SPECIAL WARNINGS

Special warnings:

Vaccinate healthy animals only.

The effectiveness of the vaccine in providing passive immunity to young lambs and calves depends on these animals ingesting adequate amounts of colostrum on the first day of life.

Clinical trials have demonstrated that the presence of maternal antibodies, particularly against *C. tetani*, *C. novyi* type B, *C. perfringens* type A (calves only), *C. chauvoei* (lambs only) and *C. perfringens* type D may reduce the antibody response to vaccination in young lambs and calves. Therefore, to ensure an optimal response in young animals with high levels of MDA, the basic vaccination should be delayed until the levels wane (which is after about 8-12 weeks of age, see section "Indications for use").

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

In case of accidental self-injection, seek medical advice immediately and show the package leaflet or the label to the physician.

Pregnancy:

No side effects other than those described under “Adverse events” were seen when the vaccine was used in sheep and cattle between 8 and 2 weeks prior to parturition. In the absence of specific data, no recommendation can be made for use of the vaccine during the first or second third of pregnancy. Avoid stress in pregnant ewes and cows.

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 or after any other veterinary medicinal product therefore needs to be made on a case by case basis.

Overdose:

In calves and lambs, local reactions may increase slightly if twice the recommended dose is administered (refer to section “Adverse events”).

Special restrictions for use and special conditions for use:

Not applicable.

Major incompatibilities:

Do not mix with any other veterinary medicinal product.

7. ADVERSE EVENTS

Sheep and cattle:

Very common (>1 animal / 10 animals treated):	Injection site swelling ^{1,2,6} , Injection site induration (thickening/hardening) ^{2,6} , Injection site reaction ^{2,6} , Hyperthermia
Common (1 to 10 animals / 100 animals treated):	Injection site abscess ⁶ , Injection site skin discolouration ^{3,6} , Injection site pain ^{4,6}
Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Anaphylactic-type reaction (severe allergic reaction) ⁵

¹Such a swelling may reach up to a mean value of 6 cm in diameter in sheep and 15 cm (sometimes up to 25 cm) in diameter in cattle.

²Most local reactions will resolve within 3-6 weeks in sheep and in less than 10 weeks in cattle but may persist longer.

³Returns to normal as the local reaction resolves.

⁴For 1 – 2 days post first vaccination.

⁵If such reaction occurs, appropriate treatment such as adrenaline should be administered without delay.

⁶The local reactions do not affect the general health, demeanour, feeding or weight gain of the animals.

Reporting adverse events is important. It allows continuous safety monitoring of a product. If you notice any side effects, even those not already listed in this package leaflet, or you think that the medicine has not worked, please contact, in the first instance, your veterinarian. You can also report any adverse events to the marketing authorisation holder using the contact details at the end of this leaflet, or via your national reporting system: Website: <https://www.gov.uk/report-veterinary-medicine-problem/animal-reacts-medicine> e-mail: adverse.events@vmd.gov.uk

8. DOSAGE FOR EACH SPECIES, ROUTES AND METHOD OF ADMINISTRATION

Sheep – from 2 weeks of age:

Dose – 1 ml.

Cattle – from 2 weeks of age:

Dose – 2 ml.

Administration:

By subcutaneous injection at a suitable site. The recommended site is the loose skin on the side of the neck.

Basic vaccination scheme:

Two doses should be administered, 4-6 weeks apart (refer to section “Indications for use” and section “Special warnings”).

Re-vaccination scheme:

A single dose should be administered every 6 to 12 months after the basic vaccination scheme (see also section “Indications for use”).

Use in pregnancy:

To provide passive protection of the offspring, via the colostrum, a single booster dose should be administered between 8 and 2 weeks before parturition, provided that animals have received a full basic vaccination course before pregnancy.

9. ADVICE ON CORRECT ADMINISTRATION

The bottle should be well shaken before any vaccine is withdrawn.

Syringes and needles should be sterile before use and the injection should be made through an area of clean, dry skin taking precautions against contamination.

10. WITHDRAWAL PERIODS

Zero days.

11. SPECIAL STORAGE PRECAUTIONS

Keep out of the sight and reach of children.

Store and transport refrigerated (2 °C – 8 °C).

Do not freeze.

Keep the bottle in the outer carton.

Protect from light.

Do not use this veterinary medicinal product after the expiry date which is stated on the label and carton after Exp. The expiry date refers to the last day of that month. Shelf life after first opening the immediate packaging: 8 hours.

12. SPECIAL PRECAUTIONS FOR DISPOSAL

Medicines should not be disposed of via wastewater.

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

These measures should help to protect the environment.

Ask your veterinary surgeon or pharmacist how to dispose of medicines no longer required.

13. CLASSIFICATION OF VETERINARY MEDICINAL PRODUCTS

Veterinary medicinal product subject to prescription.

14. MARKETING AUTHORISATION NUMBERS AND PACK SIZES

Vm 42058/5120

Flexible high-density polyethylene (HDPE) bottle containing 50 ml or 100 ml. The plastic bottle is closed with a pharmaceutical grade chlorobutyl rubber stopper held in place with an aluminium cap.

Cardboard box with 1 bottle of 50 doses of 1 ml or 25 doses of 2 ml (50 ml).

Cardboard box with 1 bottle of 100 doses of 1 ml or 50 doses of 2 ml (100 ml).

Not all pack sizes may be marketed.

15. PID LINK (Do not print heading)

[The following statement must be included where reference to the European Union Product Database is included on the product information. This statement is relevant to both UK(GB) and UK(NI) products:]

Find more product information by searching for the 'Product Information Database' on www.gov.uk.

16. CONTACT DETAILS

Marketing authorisation holder and contact details to report suspected adverse reactions:

Zoetis UK Limited
1st Floor, Birchwood Building
Springfield Drive
Leatherhead
Surrey
KT22 7LP
Tel: +44 (0)345 300 8034

Manufacturer responsible for batch release:

Zoetis Belgium
Rue Laid Burniat 1
1348 Louvain-La-Neuve
Belgium

17. OTHER INFORMATION

To stimulate active immunity in sheep and cattle against *C. chauvoei* and the toxins of *Clostridium perfringens* type A, *C. perfringens* type B, *C. perfringens* type C, *C. perfringens* type D, *C. novyi*, *C. septicum*, *C. tetani*, *C. sordellii*, and *C. haemolyticum* contained in the vaccine.

To provide passive immunity via the colostrum against the above mentioned clostridial infections in young lambs and calves.

For animal treatment only.

POM-V Veterinary medicinal product subject to prescription

Approved 22 June 2024
Gavin Hall