

ANNEX I
SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Zulvac 1 Ovis suspension for injection for sheep

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each 2 ml dose contains:

Active substances:

Inactivated Bluetongue Virus, serotype 1, strain BTV-1/ALG2006/01 E1 RP* ≥ 1

*Relative Potency by a mice potency test compared to a reference vaccine that was shown efficacious in sheep.

Adjuvants:

Aluminium hydroxide (Al ³⁺)	4 mg
Saponin	0.4 mg

Excipients:

Thiomersal	0.2 mg
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For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Suspension for injection. Off-white or pink liquid.

4. CLINICAL PARTICULARS

4.1 Target species

Sheep

4.2 Indications for use, specifying the target species

For active immunisation of sheep from 1 and a half months of age for the prevention* of viraemia caused by Bluetongue Virus (BTV), serotype 1.

*(Cycling value (Ct) ≥ 36 by a validated RT-PCR method, indicating no presence of viral genome).

Onset of immunity: 21 days after completion of the primary vaccination scheme

Duration of immunity: 12 months after completion of the primary vaccination scheme

4.3 Contraindications

None.

4.4 Special warnings for each target species

If used in other domestic and wild ruminant species that are considered at risk of infection, its use in these species should be undertaken with care and it is advisable to test the vaccine on a small number of animals prior to mass vaccination. The level of efficacy for other species may differ from that observed in sheep.

No information is available on the use of the vaccine in seropositive animals including those with maternally derived antibodies.

4.5 Special precautions for use

Special precautions for use in animals

Vaccinate only healthy animals.

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

None

4.6 Adverse reactions (frequency and seriousness)

A transient increase in rectal temperature, not exceeding 1.2 °C, may occur very commonly during the 24 hours following vaccination.

Vaccination may be followed very commonly by a local reaction at the injection site. These reactions take the form in most cases of a general swelling of the injection site (persisting for not more than 7 days) or of palpable nodules (subcutaneous granuloma, possibly persisting for more than 48 days).

The frequency of adverse reactions is defined using the following convention:

- very common (more than 1 in 10 animals displaying adverse reactions during the course of one treatment)
- common (more than 1 but less than 10 animals in 100 animals)
- uncommon (more than 1 but less than 10 animals in 1,000 animals)
- rare (more than 1 but less than 10 animals in 10,000 animals)
- very rare (less than 1 animal in 10,000 animals, including isolated reports).

4.7 Use during pregnancy, lactation or lay

Can be used during pregnancy. No data is available on safety in lactating animals. The use in lactating animals is therefore not recommended.

The safety and the efficacy of the vaccine have not been established in breeding males. In this category of animals the vaccine should be used only according to the benefit/risk assessment by the responsible veterinarian and/or national Competent Authorities on the current vaccination policies against Bluetongue Virus (BTV).

4.8 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.

4.9 Amounts to be administered and administration route

Subcutaneous use.

Primary vaccination:

Administer one dose of 2 ml according to the following vaccination scheme:

1st injection: from 1.5 months of age.

2nd injection: after 3 weeks

Apply usual aseptic procedures.

Shake gently immediately before use. Avoid bubble formation, as this can be irritating at the site of injection.

The entire content of the bottle should be used immediately after broaching and during the same procedure.

Avoid multiple vial broaching.

In order to avoid accidental contamination of the vaccine during use, it is recommended to use a multi-injection type vaccination system when larger dose presentations are used.

Revaccination:

Any revaccination scheme should be agreed by the Competent Authority or by the responsible veterinarian, taking into account the local epidemiological situation.

4.10 Overdose (symptoms, emergency procedures, antidotes), if necessary

A transient increase in rectal temperature, not exceeding 0.6 °C, may occur during the 24 hours following administration of a two-fold overdose.

Administration of a two-fold overdose may be followed in most animals by a local reaction at the injection site. These reactions take the form in most cases of a general swelling of the injection site (persisting for not more than 9 days) or of palpable nodules (subcutaneous granuloma, possibly persisting for more than 63 days).

4.11 Withdrawal period(s)

Zero days.

5. IMMUNOLOGICAL PROPERTIES

Pharmacotherapeutic group: Inactivated viral vaccines – Bluetongue virus.
ATC vet code: QI04AA02.

To stimulate active immunity against Bluetongue Virus, serotype 1 in sheep.

6. PHARMACEUTICAL PARTICULARS

6.1 List of excipients

Aluminium hydroxide
Saponin
Thiomersal
Potassium chloride
Potassium dihydrogen phosphate
Disodium hydrogen phosphate dodecahydrate
Sodium chloride
Water for injections

6.2 Incompatibilities

Do not mix with any other veterinary medicinal product.

6.3 Shelf life

Shelf-life of the veterinary medicinal product as packaged for sale: 1 year.

Shelf-life after first opening the immediate packaging: use immediately after broaching.

6.4. Special precautions for storage

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

Protect from light.

Do not freeze.

6.5 Nature and composition of immediate packaging

Cardboard box with one type I glass vial of 20 ml (containing 10 doses) with a chlorobutyl rubber stopper and aluminium cap.

Cardboard box with one type II glass vial of either 100 ml (containing 50 doses) or 240 ml (containing 120 doses) with a chlorobutyl rubber stopper and aluminium cap.

Not all pack sizes may be marketed.

6.6 Special precautions for the disposal of unused veterinary medicinal product or waste materials derived from the use of such products

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

7. MARKETING AUTHORISATION HOLDER

Zoetis Belgium SA
Rue Laid Burniat 1
1348 Louvain-la-Neuve
BELGIUM

8. MARKETING AUTHORISATION NUMBER(S)

EU/2/11/131/001

EU/2/11/131/005

EU/2/11/131/006

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

Date of first authorisation: 5th August 2011

Date of last renewal: 18/04/2016

10. DATE OF REVISION OF THE TEXT

Detailed information on this veterinary medicinal product is available on the website of the European Medicines Agency <http://www.ema.europa.eu>

PROHIBITION OF SALE, SUPPLY AND/OR USE

The manufacture, import, possession, sale, supply and/or use of Zulvac 1 Ovis may be prohibited in a Member State on the whole or part of its territory pursuant to national legislation. Any person intending to manufacture, import, possess, sell, supply and use Zulvac 1 Ovis must consult the relevant Member State's competent authority on the current vaccination policies prior to the manufacture, import, possession, sale, supply and/or use.

ANNEX II

- A. MANUFACTURER(S) OF THE BIOLOGICAL ACTIVE SUBSTANCE(S) AND MANUFACTURER(S) RESPONSIBLE FOR BATCH RELEASE**
- B. CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE**
- C. STATEMENT OF THE MRLs**

A. MANUFACTURER(S) OF THE BIOLOGICAL ACTIVE SUBSTANCE(S) AND MANUFACTURER(S) RESPONSIBLE FOR BATCH RELEASE

Name and address of the manufacturer of the biological active substance(s)

Zoetis Manufacturing & Research Spain, S.L.
Ctra. Camprodón s/n "la Riba"
17813 Vall de Bianya
Girona
SPAIN

Name and address of the manufacturer responsible for batch release

Zoetis Manufacturing & Research Spain, S.L.
Ctra. Camprodón s/n "la Riba"
17813 Vall de Bianya
Girona
SPAIN

B. CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE

Veterinary medicinal product subject to prescription.

According to Article 71 of Directive 2001/82/EC of the European Parliament and of the Council as amended, a Member State may, in accordance with its national legislation, prohibit the manufacture, import, possession, sale, supply and/or use of immunological veterinary medicinal products on the whole or part of its territory if it is established that:

- a) The administration of the product to animals will interfere with the implementation of a national programme for the diagnosis, control or eradication of animal diseases, or will cause difficulties in certifying the absence of contamination in live animals or in foodstuffs or other products obtained from treated animals.
- b) The disease to which the product is intended to confer immunity is largely absent from the territory in question.

The use of this veterinary medicinal product is only allowed under the particular conditions established by European Community legislation on the control of Bluetongue.

The holder of this marketing authorisation must inform the European Commission about the marketing plans for the medicinal product authorised by this decision.

C. STATEMENT OF THE MRLs

The active substance being a principle of biological origin intended to produce active immunity is not within the scope of Regulation (EC) No 470/2009

The excipients (including adjuvants) listed in section 6.1 of the SPC are either allowed substances for which table 1 of the annex to Commission Regulation (EU) No 37/2010 indicates that no MRLs are required or are considered as not falling within the scope of Regulation (EC) No 470/2009 when used as in this veterinary medicinal product.

ANNEX III
LABELLING AND PACKAGE LEAFLET

A. LABELLING

PARTICULARS TO APPEAR ON THE OUTER PACKAGE

Outer carton 1 x 20ml, 1 x 100ml and 1 x 240 ml

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Zulvac 1 Ovis suspension for injection for sheep

2. STATEMENT OF ACTIVE AND OTHER SUBSTANCES

Per dose of 2 ml

Inactivated Bluetongue Virus, serotype 1, strain BTV-1/ALG2006/01 E1

Aluminium hydroxide, saponin and thiomersal.

3. PHARMACEUTICAL FORM

Suspension for injection

4. PACKAGE SIZE

20 ml (10 doses)

100 ml (50 doses)

240 ml (120 doses)

5. TARGET SPECIES

Sheep

6. INDICATION(S)

7. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Subcutaneous use.

8. WITHDRAWAL PERIOD

Withdrawal period: Zero days.

9. SPECIAL WARNING(S), IF NECESSARY

Read the package leaflet before use.

10. EXPIRY DATE

EXP {month/year}

Once broached use immediately.

11. SPECIAL STORAGE CONDITIONS

Store and transport refrigerated.

Protect from light.

Do not freeze.

12. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY

Disposal: read package leaflet.

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

For animal treatment only. To be supplied only on veterinary prescription.

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

Keep out of the sight and reach of children.

15. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER

Zoetis Belgium SA
Rue Laid Burniat 1
1348 Louvain-la-Neuve
BELGIUM

16. MARKETING AUTHORISATION NUMBER(S)

EU/2/11/131/001

EU/2/11/131/005

EU/2/11/131/006

17. MANUFACTURER’S BATCH NUMBER

Lot {number}

PARTICULARS TO APPEAR ON THE IMMEDIATE PACKAGE

Vial label 100 ml and 240 ml

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Zulvac 1 Ovis suspension for injection for sheep

2. STATEMENT OF ACTIVE AND OTHER SUBSTANCES

Per dose of 2 ml
Inactivated Bluetongue Virus, serotype 1, strain BTV-1/ALG2006/01 E1
Aluminium hydroxide, saponin and thiomersal.

3. PHARMACEUTICAL FORM

Suspension for injection

4. PACKAGE SIZE

100 ml (50 doses)
240 ml (120 doses)

5. TARGET SPECIES

Sheep

6. INDICATION(S)

7. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.
Subcutaneous use.

8. WITHDRAWAL PERIOD

Withdrawal period: Zero days.

9. SPECIAL WARNING(S), IF NECESSARY

Read the package leaflet before use.

10. EXPIRY DATE

EXP {month/year}
Once broached use immediately.

11. SPECIAL STORAGE CONDITIONS

Store and transport refrigerated.
Protect from light.
Do not freeze.

12. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY**13. THE WORDS “FOR ANIMAL TREATMENT ONLY” AND CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE, IF APPLICABLE**

For animal treatment only. To be supplied only on veterinary prescription.

14. THE WORDS “KEEP OUT OF THE SIGHT AND REACH OF CHILDREN”**15. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

Zoetis Belgium SA
Rue Laid Burniat 1
1348 Louvain-la-Neuve
BELGIUM

16. MARKETING AUTHORISATION NUMBER(S)**17. MANUFACTURER’S BATCH NUMBER**

Lot {number}

MINIMUM PARTICULARS TO APPEAR ON SMALL IMMEDIATE PACKAGING UNITS

Vial label 20 ml

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Zulvac 1 Ovis suspension for injection for sheep

2. QUANTITY OF THE ACTIVE SUBSTANCE(S)

Per dose of 2 ml
Inactivated Bluetongue Virus, serotype 1, strain BTV-1/ALG2006/01 E1
Aluminium hydroxide, saponin and thiomersal.

3. CONTENTS BY WEIGHT, BY VOLUME OR BY NUMBER OF DOSES

20 ml (10 doses)

4. ROUTE(S) OF ADMINISTRATION

SC

5. WITHDRAWAL PERIOD

Withdrawal period: Zero days.

6. BATCH NUMBER

Lot {number}

7. EXPIRY DATE

EXP {month/year}
Once broached use immediately.

8. THE WORDS "FOR ANIMAL TREATMENT ONLY"

For animal treatment only.

B. PACKAGE LEAFLET

**PACKAGE LEAFLET FOR
Zulvac 1 Ovis suspension for injection for sheep**

1. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER AND OF THE MANUFACTURING AUTHORISATION HOLDER RESPONSIBLE FOR BATCH RELEASE, IF DIFFERENT

Marketing authorisation holder

Zoetis Belgium SA
Rue Laid Burniat 1
1348 Louvain-la-Neuve
BELGIUM

Manufacturer responsible for batch release:

Zoetis Manufacturing & Research Spain, S.L.
Ctra. Camprodón s/n "la Riba"
17813 Vall de Bianya
Girona
SPAIN

2. NAME OF THE VETERINARY MEDICINAL PRODUCT

Zulvac 1 Ovis suspension for injection for sheep

3. STATEMENT OF THE ACTIVE SUBSTANCE(S) AND OTHER INGREDIENT(S)

Each 2 ml dose contains:

Active substance:

Inactivated Bluetongue Virus, serotype 1, strain BTV-1/ALG2006/01 E1 RP* \geq 1

*Relative Potency by a mice potency test compared to a reference vaccine that was shown efficacious in sheep.

Adjuvant:

Aluminium hydroxide (Al ³⁺)	4 mg
Saponin	0.4 mg

Excipient:

Thiomersal	0.2 mg
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Off-white or pink liquid.

4. INDICATION(S)

For active immunisation of sheep from 1 and a half months of age for the prevention* of viraemia caused by Bluetongue Virus (BTV), serotypes 1.

*(Cycling value (Ct) \geq 36 by a validated RT-PCR method, indicating no presence of viral genome)

Onset of immunity: 21 days after completion of the primary vaccination scheme

Duration of immunity: 12 months after completion of the primary vaccination scheme

5. CONTRAINDICATIONS

None.

6. ADVERSE REACTIONS

A transient increase in rectal temperature, not exceeding 1.2 °C, may occur very commonly during the 24 hours following vaccination.

Vaccination may be followed very commonly by a local reaction at the injection site. These reactions take the form in most cases of a general swelling of the injection site (persisting for not more than 7 days) or of palpable nodules (subcutaneous granuloma possibly persisting for more than 48 days).

The frequency of adverse reactions is defined using the following convention:

- very common (more than 1 in 10 animals displaying adverse reactions during the course of one treatment)
- common (more than 1 but less than 10 animals in 100 animals)
- uncommon (more than 1 but less than 10 animals in 1,000 animals)
- rare (more than 1 but less than 10 animals in 10,000 animals)
- very rare (less than 1 animal in 10,000 animals, including isolated reports).

If you notice any serious effects or other effects not mentioned in this package leaflet, please inform your veterinary surgeon.

7. TARGET SPECIES

Sheep

8. DOSAGE FOR EACH SPECIES, ROUTE(S) AND METHOD OF ADMINISTRATION

Subcutaneous use.

Primary vaccination:

Administer one dose of 2 ml according to the following vaccination scheme:

1st injection: from 1.5 months of age.

2nd injection: after 3 weeks

Revaccination:

Any revaccination scheme should be agreed by the Competent Authority or by the responsible veterinarian, taking into account the local epidemiological situation.

9. ADVICE ON CORRECT ADMINISTRATION

In order to avoid accidental contamination of the vaccine during use, it is recommended to use a multi-injection type vaccination system when larger dose presentations are used.

Apply usual aseptic procedures.

Shake gently immediately before use. Avoid bubble formation, as this can be irritating at the site of injection. The entire content of the bottle should be used immediately after broaching and during the same procedure. Avoid multiple vial broaching.

10. WITHDRAWAL PERIOD

Zero days

11. SPECIAL STORAGE PRECAUTIONS

Keep out of the sight and reach of children.
Store and transport refrigerated (2 °C – 8 °C).
Protect from light.
Do not freeze

Do not use this veterinary medicinal product after the expiry date which is stated on the label after EXP.
Once broached use immediately.

12. SPECIAL WARNING(S)

Vaccinate only healthy animals.

No information is available on the use of the vaccine in seropositive animals including those with maternally derived antibodies.

If used in other domestic and wild ruminant species that are considered at risk of infection, its use in these species should be undertaken with care and it is advisable to test the vaccine on a small number of animals prior to mass vaccination. The level of efficacy for other species may differ from that observed in sheep.

Pregnancy:

Can be used during pregnancy.

Lactation:

No data is available on safety in lactating animals. The use in lactating animals is therefore not recommended.

Fertility:

The safety and the efficacy of the vaccine have not been established in breeding males. In this category of animals the vaccine should be used only according to the benefit/risk assessment by the responsible veterinarian and/or national Competent Authorities on the current vaccination policies against Bluetongue virus (BTV).

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 (symptoms, emergency procedures, antidotes):

A transient increase in rectal temperature, not exceeding 0.6 °C, may occur during the 24 hours following administration of a two-fold overdose.

Administration of a two-fold overdose may be followed in most animals by a local reaction at the injection site. These reactions take the form in most cases of a general swelling of the injection site (persisting for

not more than 9 days) or of palpable nodules (subcutaneous granuloma possibly persisting for more than 63 days).

Incompatibilities:

Do not mix with any other veterinary medicinal product.

13. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCT OR WASTE MATERIALS, IF ANY

Medicines should not be disposed of via wastewater or household waste. Ask your veterinary surgeon how to dispose of medicines no longer required. These measures should help protect the environment.

14. DATE ON WHICH THE PACKAGE LEAFLET WAS LAST APPROVED

Detailed information on this product is available on the website of the European Medicines Agency <http://www.ema.europa.eu>

15. OTHER INFORMATION

Pack sizes

Cardboard box with one type I glass vial of 20 ml (containing 10 doses) with a chlorobutyl rubber stopper and aluminium cap.

Cardboard box with one type II glass vial of either 100 ml (containing 50 doses) or 240 ml (containing 120 doses) with a chlorobutyl rubber stopper and aluminium cap.

Not all pack sizes may be marketed.

The manufacture, import, possession, sale, supply and/or use of Zulvac 1 Ovis may be prohibited in a Member State on the whole or part of its territory pursuant to national legislation. Any person intending to manufacture, import, possess, sell, supply and use Zulvac 1 Ovis must consult the relevant Member State's competent authority on the current vaccination policies prior to the manufacture, import, possession, sale, supply and/or use.

For any information about this veterinary medicinal product, please contact the local representative of the marketing authorisation holder.

België/Belgique/Belgien

Zoetis Belgium SA
Tél/Tel.: +32 (0) 800 99 189

Lietuva

Oriola Vilnius UAB
Tel: +370 610 05088

Република България

Zoetis Belgium SA
Тел: +359 2 4775791

Luxembourg/Luxemburg

Zoetis Belgium SA
Tél/Tel.: +352 8002 4026

Česká republika

Zoetis Česká republika, s.r.o.
Tel: +420 257 101 111

Magyarország

Zoetis Hungary Kft.
Tel: +361 224 5222

Danmark

Zoetis Finland Oy
Tlf: +358 (0)9 4300 40

Malta

Agrimed Limited
Tel: +356 21 465 797

Deutschland

Zoetis Deutschland GmbH
Tel: +49 30 330063 0

Eesti

Oriola Vilnius UAB
Tel: +370 610 05088

Ελλάδα

Zoetis Hellas S.A.
Τηλ.: +30 210 6791900

España

Zoetis Spain, S.L.
Tel: +34 91 4191900

France

Zoetis France
Tél: +33 (0)810 734 937

Hrvatska

Zoetis B.V., Podružnica Zagreb za promidžbu
Tel: +385 1 644 1460

Ireland

Zoetis Belgium SA
Tel: +353 (0) 1 256 9800

Ísland

Zoetis Finland Oy
Sími: +358 (0)9 4300 40

Italia

Zoetis Italia S.r.l.
Tel: +39 06 3366 8133

Κύπρος

Zoetis Hellas S.A.
Τηλ.: +30 210 6791900

Latvija

Oriola Vilnius UAB
Tel: +370 610 05088

Nederland

Zoetis B.V.
Tel: +31 (0)10 714 0900

Norge

Zoetis Finland Oy
Tlf: +358 (0)9 4300 40

Österreich

Zoetis Österreich GmbH
Tel: +43 1 2701100 110

Polska

Zoetis Polska Sp. z o.o.
Tel: +48 22 2234800

Portugal

Zoetis Portugal, Lda.
Tel: + 351 21 042 72 00

România

Zoetis România S.R.L
Tel: +4021 202 3083

Slovenija

Zoetis B.V., Podružnica Zagreb za promidžbu
Tel: +385 1 644 1460

Slovenská republika

Zoetis Česká republika, s.r.o.
Tel: +420 257 101 111

Suomi/Finland

Zoetis Finland Oy
Puh/Tel: +358 (0)9 4300 40

Sverige

Zoetis Finland Oy
Tel: +358 (0)9 4300 40

United Kingdom

Zoetis UK Limited
Tel: +44 (0) 845 300 8034