

ANNEX I

SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

RESFLOR 300/16.5 mg/mL Solution for Injection for Cattle (UK, IE)
RESFLOR 300/16.5 mg/mL Ενέσιμο Διάλυμα για βοοειδή (CY, EL)
Resflor vet, solution for Injection for Cattle (DK, FI, EE, LT, LV, NO)
RESFLOR 300/16,5 mg/mL Solução Injectável para Bovinos (PT)
RESFLOR SOLUTION INJECTABLE (FR)
RESFLOR 300/16.5 mg/mL Injektionslösung für Rinder (AT, DE)
Resflor injekční roztok pro skot (CZ)
RESFLOR 300/ 16,5 mg/mL SOLUZIONE INIETTABILE per bovini (IT)
Resflor injekčný roztok pre hovädzí dobytok (SK)
RESFLOR SOLUCIÓN INYECTABLE (ES)
Resflor 300, 16,5 mg/mL oplossing voor injectie voor runderen (NL)
Resflor 300, 16,5 mg/mL solution injectable pour bovines (BE, LU)
Resflor 300, 16,5 mg/mL Injektionslösung für Rinder (BE)
RESFLOR 300/16.5 mg/mL solutie injectabila pentru bovine (RO)
РЕСФЛОР 300/16,5 мг/мл Разтвор за инжективно приложение при Едри преживни животни (BG)
Resflor 300/16,5 mg/mL raztopina za injiciranje za govedo (SI)
Resflor 300/16,5 mg/mL roztwór do wstrzykiwań dla bydła (PL)
RESFLOR INJEKCIÓS OLDAT (HU)

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each mL contains:

Active substances:

Flunixin 16.5 mg equivalent to 27.4 mg flunixin meglumine

Florfenicol 300 mg

Excipients:

Qualitative composition of excipients and other constituents	Quantitative composition if that information is essential for proper administration of the veterinary medicinal product
N-Methyl-2-Pyrrolidone	250.0 mg
Propylene Glycol (Antimicrobial Preservative) E1520	150.0 mg
Citric acid, anhydrous	
Macrogol 300	

Clear, light yellow to straw coloured liquid.

3. CLINICAL INFORMATION

3.1 Target species

Cattle

3.2 Indications for use for each target species

Treatment of respiratory infections caused by *Mannheimia haemolytica*, *Pasteurella multocida*, *Mycoplasma bovis* and *Histophilus somni* associated with pyrexia.

3.3 Contraindications

Do not use in adult bulls intended for breeding purposes.

Do not use in animals suffering from hepatic and renal diseases.

Do not use if there is a risk of gastrointestinal bleeding or in cases where there is evidence of altered hemostasis.

Do not use in animals suffering from cardiac diseases.

Do not use in cases of hypersensitivity to the active substances or to any of the excipients.

3.4 Special warnings

None.

3.5 Special precautions for use

Special precautions for safe use in the target species:

Use of the product should be based on susceptibility testing of the bacteria isolated from the animal. If this is not possible, therapy should be based on local (regional, farm level) epidemiological information about susceptibility of the target bacteria.

Official and local antimicrobial policies should be taken into account when the product is used. Use of the product deviating from the instructions given in the SPC may increase the prevalence of bacteria resistant to florfenicol.

Avoid use in dehydrated, hypovolaemic or hypotensive animals as there is a potential risk of increased renal toxicity. Concurrent administration of potentially nephrotoxic drugs should be avoided.

Repeated daily dosing has been associated with abomasal erosions in the pre-ruminant calf. The product should be used with caution in this age group.

The safety of the product has not been tested in calves of 3 weeks of age or less.

Flunixin is toxic to avian scavengers. Do not administer to animals susceptible to enter wild fauna food chain. In case of death or sacrifice of treated animals, ensure that they are not made available to wild fauna.

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

Care should be taken to avoid accidental self-injection.

People with known hypersensitivity to propylene glycol and polyethylene glycols should avoid contact with the veterinary medicinal product.

Wash hands after use.

Laboratory studies in rabbits and rats with the excipient N-methyl pyrrolidone have shown evidence of foetotoxic effects. Women of childbearing age, pregnant women or women suspected of being pregnant should use the veterinary medicinal product with serious caution to avoid accidental self-injection.

Special precautions for the protection of the environment:

Not applicable.

3.6 Adverse events

Cattle:

Very common (>1 animal / 10 animals treated):	Injection site swelling ¹
Very rare	Anaphylactic-type reaction ²

(<1 animal / 10,000 animals treated, including isolated reports):	
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¹becomes palpable 2-3 days after subcutaneous injection. The duration of the injection site swellings ranged from 15-36 days post-injection. Grossly, this is associated with minimal to mild irritation of the subcutis. Extension into the underlying muscle was noted in only a few instances. By 56 days post-dosing, no gross lesions were observed that would require any trim-out at slaughter.

²these reactions may be fatal.

Reporting adverse events is important. It allows continuous safety monitoring of a veterinary medicinal product. Reports should be sent, preferably via a veterinarian, to either the marketing authorisation holder <or its local representative> or the national competent authority via the national reporting system. See the package leaflet for respective contact details.

{<to be adjusted nationally>}

3.7 Use during pregnancy, lactation or lay

The safety of the veterinary medicinal product has not been established in cattle during pregnancy, lactation or in animals intended for breeding. Laboratory studies in rabbits and rats with the excipient N-methyl pyrrolidone have shown evidence of foetotoxic effects. Use only according to the benefit-risk assessment by the responsible veterinarian.

3.8 Interaction with other medicinal products and other forms of interaction

Concurrent use of other active substances that have a high degree of protein binding may compete with flunixin for binding and thus lead to toxic effects. Pre-treatment with other anti-inflammatory substances may result in additional or increased adverse effects and accordingly a treatment-free period with such drugs should be observed for at least 24 hours before the commencement of treatment. The treatment-free period, however, should take into account the pharmacokinetic properties of the products used previously.

The product must not be administered in conjunction with other NSAIDs or glucocorticosteroids. Gastrointestinal tract ulceration may be exacerbated by corticosteroids in animals given NSAIDs.

3.9 Administration routes and dosage

Subcutaneous use.

40 mg/kg florfenicol and 2.2 mg/kg flunixin (2 mL/15 kg body weight) to be administered by a single injection.

The dose volume given at any one injection site should not exceed 10 mL.

It is recommended to treat animals in the early stages of the disease and to evaluate the response to treatment 48 hours after injection. The anti-inflammatory component of the veterinary medicinal product, flunixin, may mask a poor bacteriological response to florfenicol in the first 24 hours after injection. If clinical signs of respiratory disease persist or increase, or if relapse occurs, treatment should be changed, using another antibiotic, and continued until clinical signs have resolved.

The injection should only be given in the neck.

Swab septum before removing each dose. Use a dry sterile needle and syringe.

To ensure a correct dosage, body weight should be determined as accurately as possible.

3.10 Symptoms of overdose (and where applicable, emergency procedures and antidotes)

Overdose studies in the target species for 3 times the duration of treatment showed decreased food consumption in the groups given 3 and 5 times the recommended dose. Decreased body weights were observed in the 5 times overdose group (secondary to decreased food consumption). Decreased water consumption was observed in the 5 times overdose group. Tissue irritation increases with injection volume.

Treatment at 3 times the recommended treatment duration was associated with dose-related erosive and ulcerative abomasum lesions.

3.11 Special restrictions for use and special conditions for use, including restrictions on the use of antimicrobial and antiparasitic veterinary medicinal products in order to limit the risk of development of resistance

Not applicable.

3.12 Withdrawal periods

Meat and offal: 46 days.

Milk: Not authorised for use in animals producing milk for human consumption. Do not use in pregnant animals which are intended to produce milk for human consumption within 2 months of expected parturition.

4. PHARMACOLOGICAL INFORMATION

4.1 ATCvet code: QJ01BA99

4.2 Pharmacodynamics

Florfenicol is a synthetic broad spectrum antibiotic effective against most Gram-positive and Gram-negative bacteria isolated from domestic animals. Florfenicol acts by inhibiting bacterial protein synthesis at the ribosomal level and is bacteriostatic. Laboratory tests have shown that florfenicol is active against the most commonly isolated bacterial pathogens involved in bovine respiratory disease which include *Mycoplasma bovis*, *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni*.

Florfenicol is considered to be a bacteriostatic agent, but *in vitro* studies of florfenicol demonstrate bactericidal activity against *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni*.

Florfenicol bactericidal activity was characterised as essentially time dependant against the three target pathogens with the possible exception of *H. somni* where a concentration dependency was observed.

During the florfenicol susceptibility monitoring program (2000-2003) a total of 487 *M. haemolytica*, 522 *P. multocida* and 25 *H. somni* isolates were collected. MIC values ranged between <0.12 and 2 µg/ml for *M. haemolytica* (MIC₉₀ = 1 µg/ml), between <0.12 and 2 µg/ml for *P. multocida* (MIC₉₀ = 0.50 µg/ml) and between 0.12 and 0.5 µg/ml for *H. somni*. Breakpoints have been established by the CLSI (Clinical and Laboratory Standard Institute) for bovine respiratory pathogens as follows:

Pathogen	Florfenicol Disk Concentration (µg)	Diameter (mm)			MIC (µg/ml)		
		S	I	R	S	I	R
<i>M. haemolytica</i> <i>P. multocida</i> <i>H. somni</i>	30	≥ 19	15-18	≤ 14	≤ 2	4	≥ 8

There are no established breakpoints for *Mycoplasma bovis* nor have culture techniques been standardized by CLSI. Despite a reduction in *Mycoplasma bovis* pathogen load, *Mycoplasma bovis* may not be fully eliminated from the lungs after treatment with the veterinary medicinal product.

The only mechanisms of chloramphenicol resistance that are known to have significant clinical relevance are CAT-mediated inactivation and efflux-pump resistance. Of these, only some of the efflux mediated resistance would also confer resistance to florfenicol and thus have the potential to be affected by florfenicol use in animals. Resistance to florfenicol in the target pathogens has only been reported on rare occasions and was associated with efflux pump and the presence of the *floR* gene.

Flunixin meglumine is a non-steroidal anti-inflammatory drug with analgesic and antipyretic activity. Flunixin meglumine acts as a reversible non-selective inhibitor of cyclo-oxygenase (both COX 1 and COX 2 forms), an important enzyme in the arachidonic acid cascade pathway which is responsible for converting arachidonic acid to cyclic endoperoxides. Consequently, synthesis of eicosanoids, important mediators of the inflammatory process involved in central pyresis, pain perception and tissue inflammation is inhibited. Through its effects on the arachidonic acid cascade, flunixin also inhibits the production of thromboxane, a potent platelet pro-aggregator and vasoconstrictor which is released during blood clotting. Flunixin exerts its antipyretic effect by inhibiting prostaglandin E2 synthesis in the hypothalamus. Although flunixin has no direct effect on endotoxins after they have been produced, it reduces prostaglandin production and hence reduces the many effects of the prostaglandin cascade. Prostaglandins are part of the complex processes involved in the development of endotoxic shock.

4.3 Pharmacokinetics

The administration of the product by the subcutaneous route at the recommended dosage of 40 mg/kg florfenicol maintained efficacious plasma levels in cattle above a MIC90 of 1 µg/mL for approximately 50 hours and above a MIC90 of 2 µg/mL for approximately 36 hours. Maximum plasma concentration (Cmax) of approximately 9.9 µg/mL occurred approximately 8 hours (Tmax) after dosing.

After administration of the product by the subcutaneous route at the recommended dosage of 2.2 mg/kg flunixin, peak plasma concentrations of 2.8 µg/mL were achieved after 1 hour.

The binding of florfenicol on proteins is approximately 20% and for flunixin > 99%. The degree of elimination of florfenicol residues in urine is approximately 68% and in faeces approximately 8%. The degree of elimination of flunixin residues in urine is approximately 34% and for faeces approximately 57%.

Environmental properties

Flunixin is toxic to avian scavengers although foreseen low exposure leads to low risk.

5. PHARMACEUTICAL PARTICULARS

5.1 Major incompatibilities

In the absence of compatibility studies, this veterinary medicinal product must not be mixed with other veterinary medicinal products.

5.2 Shelf life

Shelf life of the veterinary medicinal product as packaged for sale: 2 years
Shelf life after first opening the immediate packaging: 28 days

5.3 Special precautions for storage

Do not store above 25°C.

Do not freeze. Protect from frost.

5.4 Nature and composition of immediate packaging

Type I glass vials closed with bromobutyl stoppers and aluminium seals.

Carton box containing 100 mL vial

Carton box containing 250 mL vial

Not all pack sizes may be marketed.

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

Medicines should not be disposed of via wastewater <or household waste>.

{< > to be adjusted nationally}

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any national collection systems applicable to the veterinary medicinal product concerned.

6. NAME OF THE MARKETING AUTHORISATION HOLDER

To be completely nationally

7. MARKETING AUTHORISATION NUMBER(S)

To be completely nationally

8. DATE OF FIRST AUTHORISATION

Date of first authorisation: {DD/MM/YYYY}

9. DATE OF THE LAST REVISION OF THE SUMMARY OF THE PRODUCT CHARACTERISTICS

{DD/MM/YYYY}

10. CLASSIFICATION OF VETERINARY MEDICINAL PRODUCTS

Veterinary medicinal product subject to prescription.

Detailed information on this veterinary medicinal product is available in the [Union Product Database \(https://medicines.health.europa.eu/veterinary\)](https://medicines.health.europa.eu/veterinary).

ANNEX III

LABELLING AND PACKAGE LEAFLET

A. LABELLING

PARTICULARS TO APPEAR ON THE OUTER PACKAGE
{NATURE/TYPE}

Carton box for 100 mL and 250 mL vials

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

RESFLOR 300/16.5 mg/mL Solution for Injection (UK, IE)
RESFLOR 300/16.5 mg/mL Ενέσιμο Διάλυμα (CY, EL)
Resflor vet., solution for Injection (DK, FI, EE, LT, LV, NO)
RESFLOR 300/16,5 mg/mL Solução Injectável (PT)
RESFLOR SOLUTION INJECTABLE (FR)
RESFLOR 300/16.5 mg/mL Injektionslösung (AT, DE)
Resflor injekční roztok (CZ)
RESFLOR 300/ 16,5 mg/mL SOLUZIONE INIETTABILE (IT)
Resflor injekčný roztok (SK)
RESFLOR SOLUCIÓN INYECTABLE (ES)
Resflor 300, 16,5 mg/mL oplossing voor injectie (NL)
Resflor 300, 16,5 mg/mL solution injectable (BE, LU)
Resflor 300, 16,5 mg/mL Injektionslösung (BE)
RESFLOR 300/16.5 mg/mL solutie injectabila (RO)
РЕСФЛОР 300/16,5 мг/мл Разтвор за инжективно приложение (BG)
Resflor 300/16,5 mg/mL raztopina za injiciranje (SI)
Resflor 300/16,5 mg/mL roztwór do wstrzykiwań (PL)
RESFLOR INJEKCIÓS OLDAT (HU)

2. STATEMENT OF ACTIVE SUBSTANCES

300 mg/ml florfenicol
16.5 mg/ml flunixin (as flunixin meglumine)

3. PACKAGE SIZE

100 mL
250 mL

4. TARGET SPECIES

Cattle

5. INDICATIONS

6. ROUTES OF ADMINISTRATION

For subcutaneous use.

7. WITHDRAWAL PERIODS

Withdrawal period:

Meat and offal: 46 days

Milk: Not authorised for use in animals producing milk for human consumption. Do not use in pregnant animals which are intended to produce milk for human consumption within 2 months of expected parturition.

8. EXPIRY DATE

Exp {mm/yyyy}

Once opened, use within 28 days.

9. SPECIAL STORAGE PRECAUTIONS

Do not store above 25°C.

Do not freeze.

Protect from frost.

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

[To be completed nationally.]

14. MARKETING AUTHORISATION NUMBERS
--

[To be completed nationally.]

15. BATCH NUMBER

Lot {number}

**PARTICULARS TO APPEAR ON THE IMMEDIATE PACKAGE
{NATURE/TYPE}**

Label for the 100 mL and 250 mL vials

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

RESFLOR 300/16.5 mg/mL Solution for Injection (UK, IE)
RESFLOR 300/16.5 mg/mL Ενέσιμο Διάλυμα (CY, EL)
Resflor vet., solution for Injection (DK, FI, EE, LT, LV, NO)
RESFLOR 300/16,5 mg/mL Solução Injectável (PT)
RESFLOR SOLUTION INJECTABLE (FR)
RESFLOR 300/16.5 mg/mL Injektionslösung (AT, DE)
Resflor injekční roztok (CZ)
RESFLOR 300/ 16,5 mg/mL SOLUZIONE INIETTABILE (IT)
Resflor injekčný roztok (SK)
RESFLOR SOLUCIÓN INYECTABLE (ES)
Resflor 300, 16,5 mg/mL oplossing voor injectie (NL)
Resflor 300, 16,5 mg/mL solution injectable (BE, LU)
Resflor 300, 16,5 mg/mL Injektionslösung (BE)
RESFLOR 300/16.5 mg/mL solutie injectabila (RO)
РЕСФЛОР 300/16,5 мг/мл Разтвор за инжеktivno приложение (BG)
Resflor 300/16,5 mg/mL raztopina za injiciranje (SI)
Resflor 300/16,5 mg/mL roztwór do wstrzykiwań (PL)
RESFLOR INJEKCIÓS OLDAT (HU)

2. STATEMENT OF ACTIVE SUBSTANCES

300 mg/ml florfenicol
16.5 mg/ml flunixin (as flunixin meglumine)

3. TARGET SPECIES

Cattle

4. ROUTES OF ADMINISTRATION

For subcutaneous use. Read the package leaflet before use.

5. WITHDRAWAL PERIODS

Withdrawal period:

Meat and offal: 46 days

Milk: Not authorised for use in animals producing milk for human consumption. Do not use in pregnant animals which are intended to produce milk for human consumption within 2 months of expected parturition.

6. EXPIRY DATE

Exp. {mm/yyyy}

Once opened, use within 28 days.

7. SPECIAL STORAGE PRECAUTIONS

Do not store above 25°C.

Do not freeze.

Protect from frost.

8. NAME OF THE MARKETING AUTHORISATION HOLDER
--

[To be completed nationally.]

9. BATCH NUMBER

Lot {number}

B. PACKAGE LEAFLET

PACKAGE LEAFLET

1. Name of the veterinary medicinal product

RESFLOR 300/16.5 mg/mL Solution for Injection for Cattle (UK, IE)
RESFLOR 300/16.5 mg/mL Ενέσιμο Διάλυμα για βοοειδή (CY, EL)
Resflor vet., solution for Injection for Cattle (DK, FI, EE, LT, LV, NO)
RESFLOR 300/16,5 mg/mL Solução Injectável para Bovinos (PT)
RESFLOR SOLUTION INJECTABLE (FR)
RESFLOR 300/16.5 mg/mL Injektionslösung für Rinder (AT, DE)
Resflor injekční roztok pro skot (CZ)
RESFLOR 300/ 16,5 mg/mL SOLUZIONE INIETTABILE per bovini (IT)
Resflor injekčný roztok pre hovädzí dobytok (SK)
RESFLOR SOLUCIÓN INYECTABLE (ES)
Resflor 300, 16,5 mg/mL oplossing voor injectie voor runderen (NL)
Resflor 300, 16,5 mg/mL solution injectable pour bovines (BE, LU)
Resflor 300, 16,5 mg/mL Injektionslösung für Rinder (BE)
RESFLOR 300/16.5 mg/mL solutie injectabila pentru bovine (RO)
РЕСФЛОР 300/16,5 мг/мл Раствор за инжеktivно приложение при Едри преживни животни (BG)
Resflor 300/16,5 mg/mL raztopina za injiciranje za govedo (SI)
Resflor 300/16,5 mg/mL roztwór do wstrzykiwań dla bydła (PL)
RESFLOR INJEKCIÓS OLDAT (HU)

2. Composition

Each mL contains:

Active substances:

Florfenicol	300.0 mg
Flunixin	16.5 mg equivalent to 27.4 mg flunixin meglumine

Excipients:

Propylene Glycol (Antimicrobial Preservative) E1520	150.0 mg
N-Methyl-2-Pyrrolidone	250.0 mg

Clear, light yellow to straw coloured liquid.

3. Target species

Cattle.

4. Indications for use

Treatment of respiratory infections caused by *Mannheimia haemolytica*, *Pasteurella multocida*, *Mycoplasma bovis* and *Histophilus somni* associated with pyrexia.

5. Contraindications

Do not use in adult bulls intended for breeding purposes.

Do not use in animals suffering from hepatic and renal diseases.

Do not use if there is a risk of gastrointestinal bleeding or in cases where there is evidence of altered hemostasis.

Do not use in animals suffering from cardiac diseases.

Do not use in cases of hypersensitivity to the active substances or to any of the excipients.

6. Special warnings

Special precautions for safe use in the target species:

Use of the product should be based on susceptibility testing of the bacteria isolated from the animal. If this is not possible, therapy should be based on local (regional, farm level) epidemiological information about susceptibility of the target bacteria.

Official and local antimicrobial policies should be taken into account when the product is used.

Use of the product deviating from the instructions given in the SPC may increase the prevalence of bacteria resistant to florfenicol.

Avoid use in dehydrated, hypovolaemic or hypotensive animals as there is a potential risk of increased renal toxicity. Concurrent administration of potentially nephrotoxic drugs should be avoided.

Repeated daily dosing has been associated with abomasal erosions in the pre-ruminant calf. The product should be used with caution in this age group.

The safety of the product has not been tested in calves of 3 weeks of age or less.

Flunixin is toxic to avian scavengers. Do not administer to animals susceptible to enter wild fauna food chain. In case of death or sacrifice of treated animals, ensure that they are not made available to wild fauna.

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

Care should be taken to avoid accidental self-injection. People with known hypersensitivity to propylene glycol and polyethylene glycols should avoid contact with the veterinary medicinal product.

Wash hands after use.

Laboratory studies in rabbits and rats with the excipient N-methyl pyrrolidone have shown evidence of foetotoxic effects. Women of childbearing age, pregnant women or women suspected of being pregnant should use the veterinary medicinal product with serious caution to avoid accidental self-injection.

Pregnancy and lactation:

The safety of the veterinary medicinal product has not been established in cattle during pregnancy, lactation or in animals intended for breeding. Laboratory studies in rabbits and rats with the excipient N-methyl pyrrolidone have shown evidence of foetotoxic effects. Use only according to the benefit-risk assessment by the responsible veterinarian.

Interaction with other medicinal products and other forms of interaction:

Concurrent use of other active substances that have a high degree of protein binding may compete with flunixin for binding and thus lead to toxic effects. Pre-treatment with other anti-inflammatory substances may result in additional or increased adverse effects and accordingly a treatment-free period with such drugs should be observed for at least 24 hours before the commencement of treatment. The treatment-free period, however, should take into account the pharmacokinetic properties of the products used previously.

The product must not be administered in conjunction with other NSAIDs or glucocorticosteroids. Gastrointestinal tract ulceration may be exacerbated by corticosteroids in animals given NSAIDs.

Overdose:

Overdose studies in the target species for 3 times the duration of treatment showed decreased food consumption in the groups given 3 and 5 times the recommended dose. Decreased body weights were observed in the 5 times overdose group (secondary to decreased food consumption). Decreased water consumption was observed in the 5 times overdose group. Tissue irritation increases with injection volume.

Treatment at 3 times the recommended treatment duration was associated with dose-related erosive and ulcerative abomasum lesions.

Major incompatibilities:

In the absence of compatibility studies, this veterinary medicinal product must not be mixed with other veterinary medicinal products.

7. Adverse events

Cattle:

Very common (>1 animal / 10 animals treated):
Injection site swelling ¹
Very rare (<1 animal / 10,000 animals treated, including isolated reports):
Anaphylactic-type reaction (severe form of allergic reaction) ²

¹becomes palpable 2-3 days after subcutaneous injection. The duration of the injection site swellings ranged from 15-36 days post-injection. Grossly, this is associated with minimal to mild irritation of the subcutis. Extension into the underlying muscle was noted in only a few instances. By 56 days post-dosing, no gross lesions were observed that would require any trim-out at slaughter.

²these reactions may be fatal.

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 <or the local representative of the marketing authorisation holder> using the contact details at the end of this leaflet, or via your national reporting system.

{ <to be adjusted nationally> }

8. Dosage for each species, routes and method of administration

Subcutaneous use.

40 mg/kg florfenicol and 2.2 mg/kg flunixin (2 ml/15 kg body weight) to be administered by a single injection.

9. Advice on correct administration

Swab septum before removing each dose. Use a dry sterile needle and syringe.

To ensure a correct dosage, body weight should be determined as accurately as possible.

The dose volume given at any one injection site should not exceed 10 ml.

The injection should only be given in the neck.

It is recommended to treat animals in the early stages of the disease and to evaluate the response to treatment 48 hours after injection. The anti-inflammatory component of the veterinary medicinal product, flunixin, may mask a poor bacteriological response to florfenicol in the first 24 hours after injection. If clinical signs of respiratory disease persist or increase, or if relapse occurs, treatment should be changed, using another antibiotic, and continued until clinical signs have resolved.

10. Withdrawal periods

Meat and offal: 46 days

Milk: Not authorised for use in animals producing milk for human consumption. Do not use in pregnant animals which are intended to produce milk for human consumption within 2 months of expected parturition.

11. Special storage precautions

Keep out of the sight and reach of children.

Do not store above 25°C.

Do not freeze.

Protect from frost.

Do not use this veterinary medicinal product after the expiry date which is stated on the label. The expiry date refers to the last day of that month.

Shelf life after first opening the immediate packaging: 28 days

12. Special precautions for disposal

Medicines should not be disposed of via wastewater <or household waste>.
{<> to be adjusted nationally}

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any applicable national collection systems. These measures should help to protect the environment.

Ask your veterinary surgeon <or pharmacist> how to dispose of medicines no longer required.
{<> to be adjusted nationally}

13. Classification of veterinary medicinal products

Veterinary medicinal product subject to prescription.

14. Marketing authorisation numbers and pack sizes

To be completed nationally.

Carton box containing 100 ml vial

Carton box containing 250 ml vial

Not all pack sizes may be marketed.

15. Date on which the package leaflet was last revised

{DD/MM/YYYY}

Detailed information on this veterinary medicinal product is available in the Union Product Database (<https://medicines.health.europa.eu/veterinary>).

16. Contact details

Marketing authorisation holder <and contact details to report suspected adverse reactions>
To be completed nationally

Manufacturer responsible for batch release:

Vet Pharma Friesoythe
Sedelsberger Strasse 2
26169 Friesoythe
Germany

<Local representatives <and contact details to report any suspected adverse reactions>:>
To be completed nationally

<For any information about this veterinary medicinal product, please contact the local representative of the marketing authorisation holder>:
To be completed nationally

17. Other information

Environmental properties

Flunixin is toxic to avian scavengers although foreseen low exposure leads to low risk.