# Antigen Index

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## Virus

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Agalax Tres
Inactivated vaccine against Contagious Agalactia in injectable suspension

Composition per dose (2 ml)
Mycoplasma agalactiae ≥ 1:20 *
Mycoplasma capricolum ≥ 1:20 *
Mycoplasma mycoides subsp. mycoides ≥ 1:20 *
* Antibody titre obtained by the Growth Inhibition Technique after vaccinating lambs with one dose of the vaccine.

Indications
Sheep and goats: active immunization of sheep and goats against Contagious Agalactia caused by Mycoplasma agalactiae, Mycoplasma capricolum, Mycoplasma mycoides subsp. mycoides.

Administration Route
Subcutaneous injection.

Dosage and administration
Dose: 2 ml per animal.
In flocks free of the disease: administer one dose to all male and female breeders, and to all reposition animals from their 2nd or 3rd month of life onwards.
In infected flocks or if the risk of infection is high: apply a booster injection 2-4 weeks after the first administration.

In general a booster injection is recommended every 4 to 6 months depending on the epidemiological situation.

Shelf-life period
Two years.

Withdrawal period
Zero days.

Storage
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

Supply
Vials of 100ml. (50 doses) and 250 ml. (125 doses).
LICENSE NUMBER: 7929 NAL (AEM SPAIN)
Agalax Uno
Inactivated vaccine against Contagious Agalactia in injectable suspension

Composition per dose (2 ml)
*Mycoplasma agalactiae* ≥ 1:20 *
* Antibody titre obtained by the Growth Inhibition Technique after vaccinating lambs with one dose of the vaccine

Indications
Sheep and goats: active immunization of sheep and goats against Contagious Agalactia.

Administration Route
Subcutaneous injection.

Dosage and administration
Dose: 2 ml per animal.
In flocks free of the disease: administer one dose to all male and female breeders, and to all reposition animals from their 2nd or 3rd month of life onwards.
In infected flocks or if the risk of infection is high: apply a booster injection 2-4 weeks after the first administration.

In general a booster injection is recommended every 4 to 6 months depending on the epidemiological situation.

Shelf-life period
Two years.

Withdrawal period
Zero days.

Storage
Store and transport this product refrigerated (between 2ºC and 8ºC). Do not freeze.

Supply
Vials of 100ml (50 doses) and 250 ml (125 doses).

LICENSE NUMBER: 7724 NAL (AEM SPAIN)
Antravax
Attenuated Live vaccine against Anthrax in injectable suspension

Composition per ml
*Bacillus anthracis*, Sterne strain ≥ 0,5-1 x 10⁷ spores

Indications
*Cattle and sheep*: active immunization of cattle and sheep against Anthrax disease.

Administration Route
Subcutaneous injection.

Dosage and administration
Dose:
*Cattle*: 2 ml.
*Sheep*: 1 ml.
Administer the first vaccination dose at the age of 3 month. Apply a booster vaccination once per year, except in endemic areas where booster vaccination shall be performed every 6 month.

Shelf-life period
One year.

Withdrawal period
Zero days.

Storage
Store and transport this product refrigerated (between 2ºC and 8ºC). Do not freeze.

Supply
Vials of 50 ml. (25 cattle-doses or 50 sheep-doses).

LICENSE NUMBER: 2857 ESP
Coltox

Inactivated vaccine against Necrotic Enteritis and Neonatal E. Coli Diarrhea in injectable suspension

**Composition per dose (2 ml)**
Inactivated *E. coli* strains: \( \geq 2 \times 10^9 \) CFU
for each strain with the following fimbrial antigens: K88(F4), K99(F5), P987(F6) and F41

*Clostridium perfringens*
C and D: \( \geq 10 \) I.U. of antitoxin β per ml of rabbit serum
\( \geq 5 \) I.U. of antitoxin ε per ml of rabbit serum

**Indications**
Prevention of enterotoxemia and diarrhoea in piglets caused by different serotypes of enterotoxigenic *Escherichia Coli* and *Clostridium perfringens* types C and D.

**Administration Route**
Deep intramuscular injection.

**Dosage and administration**

**Sows and gilts:** 2 ml.

**Piglets:**
First dose: 0,5 ml.
Second dose: 1 ml.

**Pregnant sows:** administer one dose 6-7 weeks prior to farrowing, and a second dose 4 weeks before farrowing. Then administer a single dose at every pregnancy, 4 weeks before farrowing.

**Piglets:** administer 0,5 ml at 10 days of age and a second dose of 1 ml at weaning.

**Shelf-life period**
Two years.

**Withdrawal period**
Zero days.

**Storage**
Store and transport this product refrigerated (between 2ºC and 8ºC). Do not freeze.

**Supply**
Vials of 50 ml (25 doses) and 100 ml (50 doses).

LICENSE NUMBER: B-7025-015 SAGARPA (MEXICO)
Lio-B-19

Live Lyophilized vaccine against Bovine Brucellosis

**Composition per dose (5 ml)**
Live attenuated *Brucella abortus* B-19* strain 50 - 120 x 10⁹ CFU**
*B-19 strain is known in some countries as S-19, being both the same strain.
**CFU: Colony forming units.

**Indications**
Active immunization of cattle against brucellosis.

**Administration Route**
Subcutaneous injection.

**Dosage and administration**
Administer 5 ml of the rehydrated vaccine to 3 to 6 months old calves.

**Shelf-life period**
One year.

**Withdrawal period**
Zero days.

**Storage**
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze. Protect from light. Keep the product in its original packaging material.

**Supply**
1 dose pack containing 1 vial with one dose of the lyophilized vaccine plus one vial with 5 ml of diluent.
2 dose pack containing 1 vial with two doses of the lyophilized vaccine plus one vial with 10 ml of diluent.
5 doses pack containing 5 vials of one dose of the lyophilized vaccine each plus five vials with 5 ml of diluent each.

LICENSE NUMBER: 2718 ESP (AEM SPAIN)
**Lio Vac Rev-1 Subcutanea**

Live Lyophilized vaccine against Brucellosis in Sheep and Goats

**Composition per dose**
Live attenuated *Brucella melitensis* Rev-1 strain  
0.5 - 2×10⁹ CFU*

*CFU: Colony forming units.

**Indications**
Active immunization against ovine and caprine brucellosis.

**Administration Route**
Subcutaneous injection.

**Dosage and administration**
Administer 1 ml of the rehydrated vaccine to 3 to 6 month old sheep and goats.

**Shelf-life period**
One year.

**Withdrawal period**
Zero days.

**Storage and transport**
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze. Protect from light. Keep the product in its original packaging material.

**Supply**
Packs containing 10, 20 and 50 doses of the freeze-dried vaccine with its corresponding diluent.

LICENSE NUMBER: 2716 ESP (AEM SPAIN)
Lio Vac Rev-1 Reducida

Live lyophilized vaccine against Brucellosis in Sheep and Goats (Low Concentration)

Composition per dose
Live Brucella melitensis, strain REV-1 1-2 x 10^6 CFU

Indications
Active immunization against ovine and caprine brucellosis.

Administration Route
Subcutaneous injection.

Dosage and administration
Administer 1 ml of the rehydrated vaccine to 3 to 6 month old sheep and goats.

Shelf-life period
One year.

Withdrawal period
Zero days.

Storage
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze. Protect from light. Keep the product in its original packaging material.

Supply
Packs containing 10, 20 and 50 doses of the freeze-dried vaccine with its corresponding diluent.

LICENSE NUMBER: 2717 ESP (AEM SPAIN)
Lio Vac Rev-1 Oftalmica (Conjunctival instillation)

Live Lyophilized vaccine against Brucellosis in Sheep and Goats

Composition per dose
Live attenuated *Brucella melitensis* Rev-1 strain 0.5-2 × 10⁹ CFU*
Patent blue Colorant V (E-131) 0.004 mg
*CFU: Colony forming units.

Indications
Active immunization against ovine and caprine brucellosis.

Administration Route
Conjunctival administration.

Dosage and administration
Administer, by conjunctival route, a single dose of 1 drop (approximately 40 μl) per animal, to ovines and caprines from 3 to 6 months old. Asepsis should be extremely kept in every case.

Shelf-life period
One year.

Storage and transport
Store and transport this product refrigerated (between 2ºC and 8ºC). Do not freeze. Protect from light. Keep the product in its original packaging material.

Supply
Box containing 1 vial of 50 doses of lyophilisate, 1 vial with 2.2 ml of solvent and a sterile PVC dropper.

LICENSE NUMBER: 3180 ESP (AEM SPAIN)
**Neo-bacterina**

Inactivated vaccine against Haemorrhagic Septicaemia in injectable suspension

**Composition per dose**

*Pasteurella multocida* (serotype A) strains P-1062 and 11-A inactivated $\geq 1:20$ ELISA *

*Mannheimia haemolytica* (serotype 1) strains 43270 and S 10R, inactivated $\geq 1:16$ ELISA *

Leukotoxin of *M. haemolytica* (serotype 1) strains 43270 and S 10R, inactivated $\geq 1:40$ ELISA *

* Average ELISA titre obtained after administering one dose in rabbits.

**Indications**

Cattle, sheep and goats: active immunization to reduce the mortality, symptoms and lesions caused by *Pasteurella multocida* and *Mannheimia haemolytica*.

Active immunization against haemorrhagic septicaemia.

**Administration Route**

Deep intramuscular injection in the neck or subcutaneous injection in the axillar area.

**Dosage and administration**

Dose: 2 ml per animal.

*Calves, Lambs and Kids:* administer 2 doses with an interval of 2-4 weeks in between. Vaccinate from the first week of life in animals born to unvaccinated mothers. Vaccinate at the age of 45 to 50 days in animals born to vaccinated mothers. Revaccinate 6 months later.

*Breeding Females:* administer two doses in the last third of the pregnancy with an interval of 2-4 weeks in between. Revaccinate every new pregnancy.

**Shelf-life period**

Two years.

**Withdrawal period**

Zero days.

**Storage**

Store and transport this product refrigerated (between 2ºC and 8ºC). Do not freeze.

**Supply**

Vial of 100 (50 doses) and 250 ml (125 doses).

LICENSE NUMBER: 2835 ESP
Neovac

Inactivated vaccine against Swine Erysipelas in injectable suspension

**Composition per dose (2 ml)**
*Erysipelothrix rhusiopathiae* serotypes 1 and 2 ≥ 1 *
* Relative potency in respect to the reference vaccine.

**Indications**
Active immunization of swine against swine erysipelas.

**Administration Route**
Intramuscular injection in the neck.

**Dosage and administration**
Dose of 2 ml per pig.
**Primo vaccination**: one dose at 12 weeks of age.
**Booster**: three to four weeks later.
**In Iberian pig**: administer a booster dose every 3 months.
Breeders:
**Boars**: one booster dose every 6 months.
**Sows**: one booster dose before each pregnancy. If necessary, piglets can be protected by vaccinating again the sow one month before farrowing.

**Shelf-life period**
Two years.

**Withdrawal period**
Zero days.

**Storage**
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

**Supply**
Vials of 50 ml (25 doses) and 100 ml (50 doses).

LICENSE NUMBER: 3922 NAL (AEM SPAIN)
Parvosyva

Live Lyophilized Attenuated vaccine against Canine Parvovirus

**Composition per dose**
Live attenuated *Canine Parvovirus*, Cornell strain ≥ 10⁷ TCID₅₀

**Indications**
Active immunization against parvovirus infections in dogs.

**Administration Route**
Intramuscular or subcutaneous injection.

**Dosage and administration**
1 ml of the rehydrated lyophilized vaccine per animal, regardless of breed, age or weight. Vaccinate healthy parasite-free dogs only. The following vaccination plan is recommended:

**Primo vaccination of puppies under 12 weeks of life**: administer two doses with 10 days in between to puppies from their 7th week of life onwards.

**Primo vaccination of puppies over 12 weeks of life**: administer one single dose.

Booster every year.

**Shelf-life period**
One year.

**Withdrawal period**
Zero days.

**Storage**
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

**Supply**
10 doses pack. Blister containing 10 vials of one dose with the lyophilized vaccine and 10 vials with the diluent.

LICENSE NUMBER: 11109 NAL (AEM SPAIN)
**Pyrsvac-183**

Live Attenuated vaccine against Porcine Reproductive and Respiratory Syndrome (PRRS) in injectable suspension

**Composition per dose (2 ml)**
Live attenuated PRRS virus, strain ALL-183 ≥ 10⁵.₀ TCID₅₀

**Indications**
Swine: active immunization against Porcine Reproductive and Respiratory Syndrome (PRRS).

**Administration Route**
Intramuscular injection.

**Dosage and administration**
Dose: 2 ml/pig. Vaccinate piglets over three weeks of age.

**Shelf-life period**
One year.

**Withdrawal period**
Zero days.

**Storage**
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

**Supply**
Packs of 50 (10 vials of 5 doses or 2 vials of 25 doses) and 500 doses (20 vials of 25 doses) of the freeze-dried vaccine with its corresponding diluent.

LICENSE NUMBER: 11151 NAL (AEM SPAIN)
Rabisyva VP13

Inactivated Rabies vaccine in injectable suspension

Composition per dose
Inactivated Rabies virus, Pasteur strain VP-13 ≥ 1 I.U.

Indications
Cattle, dogs and cats: active immunization against rabies.

Administration Route
Subcutaneous or intramuscular injection.

Dosage and administration
1 ml per animal.

Shelf-life period
Two years.

Withdrawal period
Cattle: Zero days.
Dogs and cats: Not applicable.

Storage
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

Supply
Blister with 10 individual vials, each one containing 1 dose.

LICENSE NUMBER: 3029 ESP
Respibov

Inactivated Polyvalent vaccine against Respiratory and Reproductive Diseases in Cattle in injectable suspension

**Composition per dose (4 ml)**
- Virus of the Infectious Bovine Rhinotracheitis (IBR) ≥ 1:8 SN *
- Virus of Bovine Viral Diarrhoea (BVD) ≥ 1:32 SN *
- Virus of Bovine Parainfluenza type 3 (PI-3) ≥ 1:64 SN *
- *Mannheimia haemolytica* ≥ 1:80 ELISA **
- *Pasteurella multocida* ≥ 1:80 ELISA **

* Minimum titre of Serum-Neutralization antibodies obtained after the inoculation in bovine.
** Minimum titre of ELISA antibodies obtained after the inoculation in bovine.

**Indications**

*Cattle*: prevention of the Infectious Bovine Rhinotracheitis, Bovine Viral Diarrhoea, Parainfluenza Virus and pneumonia processes in cattle originated by *Mannheimia haemolytica* and *Pasteurella multocida*.

**Administration Route**

Intramuscular or subcutaneous injection.

**Dosage and administration**

Dose: 4 ml per animal.

**Calves**: administer two doses 3 weeks apart. Calves that have been vaccinated before weaning shall be vaccinated again after weaning.

**Cows**: administer two doses 3 weeks apart. Revaccinate once a year. Cows can be vaccinated in any pregnancy stage.

**Shelf-life period**

Two years.

**Withdrawal period**

Zero days.

**Storage**

Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

**Supply**

Blister with 4 vials of 4 ml (4 x 1 doses)
Vials of 100 ml (25 doses).

LICENSE NUMBER: 2862 ESP (AEM SPAIN)
Rhinanvac cerdos

Inactivated vaccine against Swine Respiratory Complex in injectable suspension

**Composition per dose (2 ml)**

- *Bordetella bronchiseptica* strain S-4212 \( \geq 0,9 \log 10 \) Agl titre*
- *Haemophilus parasuis* strain 19417 \( \geq 0,9 \log 10 \) ELISA titre **
- *Mycoplasma hyopneumoniae* strain 25095 \( \geq 0,9 \log 10 \) ELISA titre **
- *Pasteurella haemolytica* strain 33396 \( \geq 0,9 \log 10 \) ELISA titre **
- *Pasteurella multocida* type D strain 12948 \( \geq 0,9 \log 10 \) ELISA titre **
- Dermonecrotxin \( \geq 1 \log 10 \) ELISA titre **

* Average agglutination titre obtained after a repeated administration of one dose in swine.
** Average ELISA titre obtained after a repeated administration of one dose in swine.

**Indications**

Active immunization of the swine herd against Atrophic Rhinitis and respiratory processes caused by *B. bronchiseptica, H. parasuis, M. hyopneumoniae, P. haemolytica* and *P. multocida* type D.

**Administration Route**

Deep intramuscular injection in the neck.

**Dosage and administration**

Dose of 2 ml per pig.

**Shelf-life period**

Two years.

**Withdrawal period**

Zero days.

**Storage**

Store and transport this product refrigerated (between 2ºC and 8ºC). Do not freeze.

**Supply**

Vials of 100 ml (50 doses) and 250 ml (125 doses).

LICENSE NUMBER: 2879 ESP (AEM SPAIN)
Synparv

Inactivated vaccine against Porcine Parvovirus in injectable suspension

**Composition per dose**
Inactivated Porcine Parvovirus $\geq 10^{6.9} \text{ TCID}_{50}$

**Indications**
Swine: active immunization against Porcine Parvovirus.

**Administration Route**
Intramuscular injection.

**Dosage and administration**
Dose: 2 ml per pig.
**Females:** administer two doses with 4 weeks in between at the age of 6-7 months of age.
Revaccination: 2 to 4 weeks before every mating/insemination.
**Males:** administer two doses with 4 weeks in between at the age of 8 months.
**Revaccination:** every 6 months

**Shelf-life period**
Two years.

**Withdrawal period**
Zero days.

**Storage**
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

**Supply**
Vials of 50 ml (25 doses) and 100 ml (50 doses).

LICENSE NUMBER: 11157 NAL (AEM SPAIN)
Synparv-MR

Inactivated vaccine against Porcine Parvovirus and Swine Erysipelas in injectable emulsion

Composition per dose (2 ml)
Inactivated *Porcine Parvovirus* ≥1280 H.U.
Inactivated *Erysipelothrix rhusiopathiae* 50 I.U.

Indications
Swine: immunisation against Porcine Parvovirus and Swine Erysipelas in healthy pigs.

Administration Route
Intramuscular injection or subcutaneous injection.

Dosage and administration
Dose: 2 ml per pig.
Gilts: first dose at 6-7 months of age, and a booster dose 3 weeks later.
Vaccinate again 2-3 weeks before the first I.A. or mating.
Sows: vaccination 2-3 weeks before AI or mating.
Boars: first doses at 6-7 months of age, and booster dose 3-4 weeks later.
Then vaccinate once a year.

Shelf-life period
Two years.

Withdrawal period
Zero days.

Storage
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

Supply
Vials of 10 ml (5 doses) and 50 ml (25 doses).
LICENSE NUMBER: 11161 NAL (AEM SPAIN)
Synparv-MRL
Inactivated vaccine against Porcine Parvovirus; Leptospirosis and Swine Erysipelas in injectable emulsion

Composition per dose (2 ml)
Porcine Parvovirus ≥ 10^{6.9} TCID_{50}
Erysipelothrix rhusiopathiae (serotype 1) ≥ 10^{10} CFU
Erysipelothrix rhusiopathiae (serotype 2) ≥ 10^{10} CFU
Leptospira canicola ≥ 5 \times 10^{8} CFU
Leptospira grippotyphosa ≥ 5 \times 10^{8} CFU
Leptospira pomona ≥ 5 \times 10^{8} CFU
Leptospira icterohaemorrhagiae ≥ 5 \times 10^{8} CFU
Leptospira bratislava ≥ 5 \times 10^{8} CFU

Indications
Active immunisation against Porcine Parvovirus infection, Leptospirosis and Swine Erysipelas in healthy pigs.

Administration Route
Intramuscular injection.

Dosage and administration
Dose: 2 ml per pig.
In general the following vaccination program is recommended:
Gilts: first doses at 6-7 months of age. Booster dose 3-4 weeks later.
Sows: vaccination 2-4 weeks before AI or mating.
Boars: first doses at 6-7 months of age. Administer a booster dose 3-4 weeks later. Vaccinate again every 6 months.

Shelf-life period
Two years.

Withdrawal period
Zero days.

Storage
Store and transport this product refrigerated (between 2ºC and 8ºC). Do not freeze.

Supply
Vials of 10 ml (5 doses) and 100 ml (50 doses).

LICENSE NUMBER: B-7025-005 (SAGARPA MEXICO)
**Syva-bax**

Polyvalent Inactivated vaccine against Enterotoxaemia, Blackleg, Braxy, Black Disease, Pulpy Kidney Disease, Necrotic Hepatitis and Tetanus

**Composition**

- α toxoid of *Clostridium perfringens* type A  $\geq 0.3$ I.U. of antitoxin $\alpha^*$
- β toxoid of *Clostridium perfringens* type B and C  $\geq 10$ I.U. of antitoxin $\beta^*$
- ε toxoid of *Clostridium perfringens* type B and D  $\geq 5$ I.U. of antitoxin $\epsilon^*$
- α toxoid of *Clostridium septicum* type B and C  $\geq 2.5$ I.U. of antitoxin $\alpha^*$
- α toxoid of *Clostridium novyi* type B  $\geq 3.5$ I.U. of antitoxin $\alpha^*$
- Toxoid of *Clostridium tetani*  $\geq 2.5$ I.U. of antitoxin $^*$
- Toxoid of *Clostridium sordellii*  100% of protection (in guinea pigs) $^\text{**}$
- Anaculture of *Clostridium chauvoei*  100% of protection (in guinea pigs) $^\text{**}$

* Sufficient quantity to obtain levels of neutralizing antibodies per ml of rabbit serum as indicated in the European Pharmacopoeia.

**Indications**

Active immunization of cattle, swine, sheep and goats against Enterotoxaemia, Blackleg, Braxy (Malignant oedema), Black Disease, Pulpy Kidney Disease, Necrotic Hepatitis and Tetanus.

**Administration Route**

- **Cattle, sheep and goats:** subcutaneous injection.
- **Swine:** Intramuscular injection.
Dosage and administration

Cattle: 5 ml.
Swine, sheep and goats: 2 ml.
Primo vaccination: two doses 4-6 weeks apart. Booster: every 6 months.

Pregnant animals:
Primo vaccination: administer two doses 8 and 4 weeks before parturition.
Booster: administer in the following pregnancies one dose three weeks before parturition.
The active immunization of females before pregnancy confers a passive protection to their offspring during their first three months of life.

Calves, lambs, kids and piglets:
Born to vaccinated mothers: administer two doses 4 weeks apart from their 12th week of life.
Born to none vaccinated mothers: administer two doses 4 weeks apart from their 2nd week of life.

Shelf-life period
Two years.

Withdrawal period
Zero days.

Storage
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

Supply
Vials of 100 and 250 ml.

LICENSE NUMBER: 9250 NAL (AEM SPAIN)
Syvayesky acuoso
Liophilized Live Attenuated vaccine against Pseudorabies (Aujeszky's Disease) with aqueous adjuvant

**Composition per dose (2 ml)**
Aujeszky Disease Virus, Bartha strain K61 gE^- ≥ 10^6 TCID_{50}
Aqueous adjuvant

**Indications**
Active immunization of pigs against Aujeszky’s Disease.

**Administration**
Deep intramuscular injection or intra-nasal administration.

**Dosage and administration**
Dose: 2 ml per pig.

**Piglets and fatteners:** first vaccination at 10 to 12 weeks of age. Second vaccination 3 to 4 weeks later. Third vaccination at 6 month of age. Revaccination every four months.

**Gilts:** first vaccination at 10 to 12 weeks of age. Second vaccination 3 to 4 weeks later. Third vaccination at 21-to 24 weeks of age.

**Sows and boars:** vaccinate every four months; that is three vaccinations per year as herd vaccination.

**Shelf-life period**
One year.

**Withdrawal period**
Zero days.

**Storage**
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

**Supply**
50 doses box (1 vial of 50 doses).
500 doses box (10 vials of 50 doses).
1000 doses box (20 vials of 50 doses).
1000 doses box (10 vials of 100 doses).

LICENSE NUMBER: 10863 NAL (AEM SPAIN)
**Syvayesky-2**

Liophilized Live Attenuated vaccine against Pseudorabies (Aujeszky’s Disease) with oily adjuvant

**Composition per dose (2 ml)**
- Aujeszky Disease Virus, Bartha strain K61 gE^+ ≥ 10^6 TCID_{50}
- Oily adjuvant

**Indications**
Active immunization of pigs against Aujeszky’s Disease.

**Administration**
Deep intramuscular injection.

**Dosage and administration**
Dose: 2 ml per pig.
In general the following vaccination program is recommended:
- **Piglets and fatteners:** first vaccination at 10 to 12 weeks of age. Second vaccination 3 to 4 weeks later. Third vaccination at 6 month of age. Revaccination every four months.
- **Gilts:** first vaccination at 10 to 12 weeks of age. Second vaccination 3 to 4 weeks later. Third vaccination at 21-to 24 weeks of age.
- **Sows and boars:** vaccinate every four months; that is three vaccinations per year as herd vaccination.

**Shelf-life period**
One year.

**Withdrawal period**
Zero days.

**Storage**
Store and transport this product refrigerated (between 2ºC and 8ºC). Do not freeze.

**Supply**
- 50 doses box (1 vial of 50 doses).
- 500 doses box (10 vials of 50 doses).
- 1000 doses box (20 vials of 50 doses).
- 1000 doses box (10 vials of 100 doses).

LICENSE NUMBER: 10863 NAL (AEM SPAIN)
Syvazul 1

Inactivated vaccine against the serotype 1 of Bluetongue Disease in injectable suspension

**Composition per ml**
Inactivated bluetongue virus, strain ALG 2006/01 E1 (serotype 1) \( PR^* \geq 1 \)

* Relative potency measured in ELISA units and related to the reference vaccine, proven effective through challenge.

**Indications**
Active immunization of sheep and cattle for the prevention of viraemia and reduce symptomatology caused by serotype 1 of Bluetongue Disease virus.

Start of immunity:
- **Sheep:** 39 days after vaccination (single dose application) or 21 days after second vaccination (when 2 doses applied)
- **Cattle:** 21 days after second vaccination

Duration of immunity: 1 year
Can be used during gestation and lactation.

**Administration Route**
- **Sheep:** subcutaneous injection.
- **Cattle:** intramuscular injection.

**Dosage and administration**

**Sheep:** 2ml/animal. Starting from 3 months of age.
First vaccination: One dose if born from non-immunized mother or 2 doses separated 3 weeks if born from immunized mothers.
Revaccination: annual

**Cattle:** 4ml/animal. Starting from 2 months of age if born from Non-immunized mothers or 3 months from immunized mothers.
First vaccination: 2 doses separated 3 weeks.
Revaccination: annual

**Shelf-life period**
Two years.

**Withdrawal period**
0 days.

**Storage**
Store and transport under refrigerated conditions (between +2º C and + 8º C). Do not freeze

**Supply**
Vials of 80 and 200 ml.

LICENSE NUMBER: 2035-ESP (AEM SPAIN)
Syvazul 1+8

Inactivated vaccine against the serotype 1+8 of the Bluetongue Disease in injectable suspension

**Composition per ml**
Inactivated bluetongue virus, strain ALG2006/01E1 (serotype 1) \( \geq 10^{6.9} \text{TCID}_{50}^{*} \)
Inactivated bluetongue virus, strain BEL2006/01 (serotype 8) \( \geq 10^{6.7} \text{TCID}_{50}^{*} \)

* Determined before inactivation.

**Indications**
Active immunization of sheep and cattle for the prevention of viraemia caused by serotypes 1 and 8 of the Bluetongue Disease virus.

**Administration Route**
Sheep: subcutaneous injection.
Cattle: intramuscular injection.

**Dosage and administration**
Dosage: 2 ml for sheep and 4 ml for cattle.

Initial vaccination:
Administer two doses with an interval of 3 weeks in between.
Minimum vaccination age: Sheep: 3 months. Cattle: 2 months.

Booster:
Administer one dose before every risk season.
When used within the frame of an official control program, the vaccination schedule must follow the plan stated by the relevant sanitary authority.

**Shelf-life period**
One year.

**Withdrawal period**
Zero days.

**Storage**
Store and transport under refrigerated conditions (between +2° C and + 8° C) and protected from light. Do not freeze.

**Supply**
Vials of 80 and 200 ml.

LICENSE NUMBER: 2056 ESP (AEM SPAIN)
Syvazul-4

Inactivated vaccine against the serotype 4 of the Bluetongue Disease in injectable suspension

**Composition per ml**
Inactivated *Bluetongue Virus*, serotype 4 0.85 Elisa Units*  
* Relative potency expressed in relation to the reference vaccine.

**Indications**
Active immunization of sheep for the prevention and reduction of viraemina caused by the Bluetongue Disease virus.

**Administration Route**
Subcutaneous injection in the axillary area.

**Dosage and administration**
Dose: 2 ml.  
**Primo vaccination**: administer two doses three weeks apart. Minimal vaccination age: 3 months.  
**Booster**: administer one dose before every risk season.  
If the vaccine is used in official control programs, the vaccination schedule must follow the plan stated by the relevant sanitary authority.

**Shelf-life period**
One year.

**Withdrawal period**
Zero days.

**Storage**
Store and transport under refrigerated conditions (between +2° C and + 8° C). Do not freeze.

**Supply**
Vials of 250 ml.

LICENSE NUMBER: 1686 ESP (AEM SPAIN)
Syvazul 8

Inactivated vaccine against the serotype 8 of the Bluetongue Disease in injectable suspension

Composition per ml
Inactivated bluetongue virus, strain BEL2006/01 (serotype 8) ≥ 10^6.7 TCID_{50} *  
* Determined before inactivation.

Indications
Active immunization of sheep and cattle for the prevention of viraemia caused by serotype 8 of the Bluetongue Disease virus.

Administration Route
Sheep: subcutaneous injection.  
Cattle: intramuscular injection.

Dosage and administration
Dosage: 2 ml for sheep and 4 ml for cattle.  
Initial vaccination:  
Administer two doses with an interval of 3 weeks in between.  
Minimum vaccination age: Sheep: 3 months.  
Cattle: 2 months.

Booster:  
Administer one dose before every risk season.  
When used within the frame of an official control program, the vaccination schedule must follow the plan stated by the relevant sanitary authority.

Shelf-life period
One year.

Withdrawal period
Zero days.

Storage
Store and transport under refrigerated conditions (between +2º C and +8º C) and protected from light. Do not freeze.

Supply
Vials of 80 and 200 ml.

LICENSE NUMBER: 2036 ESP (AEM SPAIN)
Yersyvac

Inactivated vaccine against Yersinia ruckeri Infections (Enteric Red Mouth Disease) in Fish

Composition per ml
Yersinia ruckeri ≥ 10^{11} CFU

Indications
Immunization of salmonid fish against Yersinia ruckeri infections (Enteric Red Mouth Disease).

Administration Route
Immersion.

Dosage and administration
Administer by immersion at a dilution rate of 1/200 (250 ml of vaccine per 50 litres of water). 250 ml of YERSYVAC allows the vaccination of 375 kg of fish; that is 125,000 young fish of 3 grams.

Shelf-life period
Two years.

Withdrawal period
Zero days.

Storage
Store and transport this product refrigerated (between 2°C and 8°C). Do not freeze.

Supply
Vials 500 ml.

LICENSE NUMBER: 9397 NAL (AEM SPAIN)
Pharmaceutical products
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Vitamin B₁
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AQUAVITA B
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Vitamin B₁₂
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Vitamin E
VIT-ADE
SELEVIT COMPLEX
SELEVIT ADULTOS
AQUAVITA COMPLEX
AQUAVITA AD3E

Vitamin K
AQUAVITA COMPLEX
Acetonil Complex

Oral Therapy for Acetonaemia prevention in Ruminants

**Pharmaceutical Form:**
Powder for oral use.

**Composition per 100 grams**
- Calcium propionate: 57.50 g
- Brewer’s yeast: 7.5 g
- Lactose: 5.3 g
- Magnesium sulphate: 5 g
- Nicotinamide (Vitamin B₃): 3 g
- Biotin: 0.03 g
- Lysine (L-Lysine Monohydrochloride): 4.99 g
- Methionine (DL-Methionine): 4.95 g
- Iron (Ferrous sulphate monohydrate): 0.2 g
- Manganese (manganese sulphate monohydrate): 0.32 g
- Copper (copper sulphate pentahydrate): 0.1 g

**Indications**
Milking cows and sheep: reduce the risk of Ketosis. Support for the convalescence of Ketosis.

**Administration Route**
Oral, mixed with feed or drinking water.

**Dosage and administration**
- **Milking cows:** administer 100-200 gram per animal and day, just after calving for 5 days.
- **Sheep:** administer 20-30 g per animal and day, for 4 days.

**Withdrawal period:** Cero days.

**Storage:** Store in a cool and dry place.

**Supply**
- 1 kg box (10 bags of 100 g)
- 5 kg box (5 bags of 1 kg)

**MANUFACTURER NUMBER:** αESP24000089
**Acetosyva**

Injectable Calcium + Phosphorus + Magnesium

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
- Calcium Gluconate: 133 mg
- Magnesium Gluconate: 44 mg
- Glucose: 200 mg
- Calcium Hypophosphite: 26.3 mg

**Indications**
- **Cattle, sheep, goats and horses:** Acetonaemia, milk fever, acidosis, rickets and osteomalacia.
- All kinds of tetany, spasmodophilia, nervous irritability.
- Anaphylaxis, allergies and intoxication in general.
- Insufficiencies in calcium, phosphorus or magnesium.
- Weakness and convalescence stages.
- In cases where parental food administration is necessary, due to surgery operations in the digestive tract or for animals that reject food.

**Administration Route**
Slow intravenous, intraperitoneal or intramuscular administration (in two or three inoculation points).

**Dosage and administration**
- **Horses and adult Cattle:** 100-250 ml per animal and day.
- **Foals, Calves, Sheep and Goats:** 10-50 ml per animal and day.
- Administer as long as needed according to the process that has to be treated.

**Withdrawal period**
Not required.

**Shelf-life period**
3 years.

**Storage**
Store in a cool, dark place.

**Supply**
Vials of 250 ml.

LICENSE NUMBER: 7949 NAL (AEM SPAIN)
Actionis

Ceftiofur injectable suspension

**Pharmaceutical Form**
Injectable suspension.

**Composition per ml**
Ceftiofur (as hydrochloride) 50.0 mg

**Indications**
Infections associated with bacteria sensitive to ceftiofur:

**Pigs:** For the treatment of bacterial respiratory disease associated with *Pasteurella multocida*, *Actinobacillus pleuropneumoniae* and *Streptococcus suis*.

**Cattle:**
For the treatment of bacterial respiratory disease associated with *Pasteurella haemolytica* (*Mannheimia spp.*), *Pasteurella multocida* and *Haemophilus somnus*.
For the treatment of acute interdigital necrobacillosis (panaritium, foot rot), associated with *Fusobacterium necrophorum* and *Bacteroides melaninogenicus* (*Porphyromonas asaccharolytica*).
For treatment of the bacterial component of acute post-partum (puerperal) metritis within 10 days after calving associated with *Escherichia coli*, *Arcanobacterium pyogenes* and *Fusobacterium necrophorum*, sensitive to ceftiofur.

**Administration Route**

**Dosage and administration**

**Pigs:** 1 ml/16 kg bw for 3 days.

**Cattle:** Respiratory disease: 1 ml/50 kg bw for 3 to 5 days.
Acute interdigital necrobacillosis: 1 ml/50 kg bw at each injection for 3 days.

**Withdrawal period**
Swine: Meat: 6 days.
Cattle: Meat: 6 days, Milk: Zero days.

**Shelf life period**
2 years.

**Storage**
Store in a cool and dark place.

**Supply**
Vials of 100 and 250 ml.

LICENSE NUMBER: 2273-ESP
Alzane
Antidote of the sedative effects of medetomidine and dexmedetomidine

Pharmaceutical Form
Injectable solution.

Composition per ml
Atipamezole hydrochloride 5.0 mg

Indications
Atipamezole hydrochloride is a selective α2-antagonist and indicated for reversal of the sedative effects of medetomidine and dexmedetomidine in dogs and cats.

Administration Route
Intramuscular injection.

Dosage and administration
Atipamezole is generally administered 15-60 minutes after medetomidine or dexmedetomidine injection.

Dogs: To revert the action of medetomidine or dexmedetomidine administer the same volume of Alzane as the one that was administered for the two aforementioned active principles.

Cats: To revert the action of medetomidine or dexmedetomidine administer half the volume of Alzane as the one that was administered for the two aforementioned active principles.

Withdrawal period
Not applicable.

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

Storage
This veterinary medicinal product does not require any special storage conditions.

Supply
Vials of 10 ml.

LICENSE NUMBER: 2151-ESP (AEM SPAIN)
Amoxoil retard
Long-acting Amoxicillin

**Pharmaceutical Form**  
Injectable oily suspension.

**Composition per ml**  
Amoxicillin (trihydrate) 150 mg

**Indications**  
Swine, cattle, sheep dogs and cats: infectious processes caused by sensitive germs to Amoxicillin, located in the digestive, respiratory, urogenital tracts, skin and soft tissues.

**Administration Route**  
Intramuscular or subcutaneous injection.

**Dosage and administration**  
Dosage: in all the species 15 mg of amoxicillin/kg b.w. (equivalent to 1 ml of AMOXOIL RETARD by 10 kg b.w.) in a single dose. If it is necessary, repeat the dose at 48 hours. To avoid insufficient dosage, previous to the administration it must be determined the weight of animals. It should be respected the maximum volume per injection site of 20 ml in bovine, 5 ml in pigs and 5 ml in ovine. When more than one injection is required, different injection sites should be separated enough. Apply a gently massage at the injection site.

**Remarks**  
The long acting effect of Amoxoil Retard is due to the high Amoxicillin concentration as well as the inclusion of a suitable adjuvant.

**Withdrawal period**  
**Cattle and sheep:** Meat: 50 days. Milk: 4 days (96 hours).  
**Swine:** Meat 25 days.

**Shelf-life period**  
2 years.

**Storage**  
Store below 30°C, in the original container.

**Supply**  
Vials of 100 ml and 250 ml.

LICENSE NUMBER: 346-ESP (AEM SPAIN)
Aquamicin polvo
Antibacterial therapy in water soluble powder

Pharmaceutical Form
Water soluble powder.

Composition per gram
Neomycin (sulphate) 490 mg

Indications
Calves: colibacillosis and salmonellosis.
Piglets: colibacillosis, salmonellosis, vibrionic dysentery and oedemas disease.
Foals: bacterial infections of the gastrointestinal tract.
Dogs: bacterial infections of the gastrointestinal tract.
Poultry: unspecific diarrhoeas and salmonellosis.

Administration Route
Oral by addition to drinking water, milk, milk-replacer or directly into the mouth.

Dosage and administration
Calves: 1 g per 28-70 kg of B.W. and day during 3 to 5 days.
Piglets: 1 g per 28 kg of B.W. and day during 3 to 5 days.
Foals: 1 g per 70-140 kg of B.W. and day during 3 to 5 days.
Poultry: 0,032% in feed or drinking water during 3 to 5 days.
Dogs: 0,5 g per 14-35 kg of B.W. and day during 3 to 5 days.

Withdrawal period
Meat: Calves: 30 days.
Pigs: 20 days.
Poultry: 5 days.
Do not administer in horses whose meat is for human consumption.

Shelf-life period
3 years.

Storage
Store in a cool, dark place.

Supply
Bags of 1 and 5 kg.

LICENSE NUMBER: 1242-ESP (AEM SPAIN)
Aquavita AD₃E

AD₃E Vitamins Oral Solution

**Pharmaceutical Form**
Oral solution.

**Composition per ml**
- Vitamin A: 100,000 I.U.
- Vitamin D₃: 20,000 I.U.
- Vitamin E: 40 I.U.

**Indications**
Specially indicated for the prevention and treatment of Vitamin A, D and E insufficiencies in intensive production, growth, pregnancy and lactation.

**Administration Route**
Oral, diluted in drinking water or milk, or directly into the mouth.

**Dosage and administration**
Monthly administration of the product is recommended, mainly in animals under intensive production.
- **Poultry**: 1-3 ml per litre of drinking water.
- **Pigs**: administer a single dose.
- **Weaned Pigs**: 3-5 ml per animal.
- **Piglets**: 1-2 ml per animal.
- **Cattle**:
  - **Adult Cattle**: a single dose of 10 ml per animal.
  - **Calves**: 5 ml per animal, once a month during lactation.
- **Lambs and kids**: a single dose of 1 ml per animal.
- **Rabbits**: 1 ml per litre of water.

**Withdrawal period**
Not required.

**Shelf-life period**
2 years.

**Storage**
Store in a cool, dark place.

**Supply**
Bottles of 1 litre.
Carafes of 5 litres.

LICENSE NUMBER: 6195 (AEM SPAIN)
Aquavita B
Vitamin B Group Oral Solution

**Pharmaceutical Form**
Oral solution.

**Composition per ml**
- Vitamin B₁ 5 mg
- Vitamin B₂ 10 mg
- Vitamin B₆ 7,5 mg
- Vitamin B₁₂ 30 mcg
- Nicotinic acid 20 mg
- Calcium pantothenate 10 mg
- Folic acid 1 mg
- Biotin 20 mcg
- Vitamin C 50 mg

**Indications**
Vitamin complement specially recommended in young animals in their growing period, animals in lactation, pregnancy, stress and vitamin deficiencies in feed.

**Administration Route**
Oral, by addition to drinking water or milk.

**Dosage and administration**
Administer to drinking water or milk during 3-4 days.
- **Poultry:** 10 ml per 50 hens or 100 chickens during 3-4 days.
- **Cattle:** Calves: 5 ml per animal and day.
  - Sheep and goats: Lambs and Kids: 1-2 ml per animal and day.
  - Adults: 3-4 ml per animal and day.
- **Pigs:** Piglets: 2.5 ml per animal and day.
  - Adults: 5 ml per animal and day.
  Medicated water or milk must be changed every 24 hours.

**Withdrawal period**
Not required.

**Shelf-life period**
2 years.

**Storage**
Store in a cool, dark place.

**Supply**
Bottles of 1 litre.
Carafes of 5 litres.

LICENSE NUMBER: 7774 (AEM SPAIN)
Aquavita complex
Multi-Vitamins Oral Solution

Pharmaceutical Form
Oral solution.

Composition per ml
Vitamin A 100,000 I.U.
Vitamin D₃ 20,000 I.U.
Vitamin E 40 I.U.
Vitamin B₁ 3 mg
Vitamin B₂ 2 mg
Vitamin B₆ 2 mg
Vitamin B₁₂ 15 mcg
Vitamin K 3 mg
Calcium pantothenate 10 mg
Nicotinamide 20 mg
Choline 50 mg
Vitamin C 50 mg

Indications
Prevention and treatment of avitaminosis, specially indicated in young animals in their growing period, pregnant or lactating animals, stress or vitamin deficiencies in feed.

Administration Route
Oral, direct into the animal’s mouth or diluted in drinking water or milk.

Dosage and administration
Poultry and rabbits: 0.5-1 ml per litre of drinking water.
Cattle: Calves: 5 ml per animal.
Adults: 10 ml per animal.
Lambs and kids: 1-2 ml per animal.
Pigs: Piglets: 1-2 ml per animal in a single dose.
Weaned piglets: 3-5 ml per animal in a single dose.

Withdrawal period: not required.

Shelf-life period: 2 years.

Storage: store in a cool, dark place.

Supply
Bottles of 1 litre.
Carafes of 5 litres.

LICENSE NUMBER: 7049 (AEM SPAIN)
**Benzatard**

**Long-Acting Penicillin Suspension**

![Image of medicine bottles and animals]

**Pharmaceutical Form**
Injectable suspension.

**Composition per ml**
- Procaine Penicillin G 150,000 I.U.
- Benzathine Penicillin G 150,000 I.U.

**Indications**
Treatment of bacterial infections caused by germs sensitive to this antibiotic association, such as:
- **Pigs**: respiratory infections caused by *P. multocida*, *Streptococcus suis*, *Actinobacillus pleuropneumoniae*, *Erysipelas*. Infections caused by *Arcanobacterium pyogenes* and *Streptococcus suis*.
- **Horses**: skin and hoof infections caused by *Arcanobacterium pyogenes* and *Fusobacterium necrophorum*. Pneumonia and bronchopneumoniae caused by *Straphylococcus spp.* and *Streptococcus spp.* Strangles (*Streptococcus equi subsp. equi*). Metritis caused by *Actinomycetes pyogenes*.
- **Dogs and Cats**: tonsillitis, tracheobronchitis and pneumonia caused by *Straphylococcus spp.*, *Streptococcus spp.* and *Nocardia*.

**Administration Route**
Intramuscular injection.

**Dosage and administration**
- **Pigs and horses**: a single dose of 1 ml of BENZATARD per 25 kg body weight.
- **Dogs and cats**: a single dose of 0.5 ml of BENZATARD per 5 kg body weight.
In all species the same dose can be repeated in 72 hours.

**Withdrawal period**
Pigs: 28 days. Do not use in horses whose meat is for human consumption.

**Shelf-life period**
2 years.

**Storage**
Store in a cool, dark place.

**Supply**
Vials of 100 ml.

LICENSE NUMBER: 0589-ESP (AEM SPAIN)
Biseptyl
Lincomycin+Spectinomycin Injectable Solution

Pharmaceutical Form
Injectable solution.

Composition per ml
Spectinomycin (as sulphate) 100 mg
Lincomycin (HCl) 50 mg

Indications
Indicated in infections caused by microorganisms sensitive to the lincomycin-spectinomycin association.

Pigs: Vibronic Dysentery, Colibacillosis, Enzootic Pneumonia, Salmonellosis and Infectious Arthritis.

Cattle: Pneumonia and Colibacillosis.

Dogs: Pneumonia and Colibacillosis.

Administration Route
Intramuscular injection.

Dosage and administration
In all species: 1 ml of BISEPTYL per 5-10 kg body weight by intramuscular administration every 12 hours, during 4-7 days.

Withdrawal period
Meat: 14 days.
Milk: do not use.

Shelf-life period
3 years.

Storage
Store in a cool, dark place.

Supply
Vials of 100 and 250 ml.

LICENSE NUMBER: 1197-ESP (AEM SPAIN)
Calcio vitaminado con fósforo
Injectable Calcium+Phosphorus+Vitamin D₃

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
- Calcium Gluconate 133 mg
- Calcium Hypophosphite 26.3 mg
- Cholecalciferol (vitamin D₃) 2.500 I.U.

**Indications**
In all types of disorders derived from a lack or disproportion of calcium or phosphorus, such as milk fever, tetany, puerperal eclampsia, post-partum paraplegia, rickets and osteomalacia. Also in allergic processes, urticaria, intoxication, haemorrhagic processes, paroxysmal haemoglobinuria and for the normalization of blood clotting.

**Administration Route**
Intramuscular, subcutaneous or preferably by slow intravenous injection. The intramuscular and subcutaneous route shall be administered in various injections sites.

**Dosage and administration**
- **Horses and adult Cattle:** 100-250 ml or more depending on weight or the process to be treated.
- **Foals and calves:** 50-100 ml depending on weight or the process to be treated.
- **Sheep, Goats and Pigs:** 25-50 ml depending on weight or the process to be treated.
- Repeat treatment in 24-48 hours if necessary.

**Withdrawal period**
Not required.

**Shelf-life period**
3 years.

**Storage**
Store in a cool, dark place.

**Supply**
Bottles of 250 ml and 500 ml.

LICENSE NUMBER: 7956 (AEM SPAIN)
Canitenol-BT
Internal antiparasitic Taenicide

Pharmaceutical Form
Tablets.

Composition per tablet
Praziquantel 50 mg

Indications
Taeniasis in dogs and cats, caused by the following cestodes:
- Echinococcus granulosus
- Echinococcus multilocularis
- Dipylidium canium
- Taenia ovis
- Taenia hydatigena.

Dipylidium canium
- Taenia pisciformis
- Mesocestoides corti
- Hydatigena (Taenia) taeniformis

Administration Route
Oral; directly, crumbed or mixed with feed.

Dosage and administration
Dogs: 1 tablet of CANITENOL-BT per 10 kg body weight. It is not necessary to exceed the dose of 180 mg of Praziquantel in dogs over 35 kg of body weight.
Cats: ½ tablet of CANITENOL-BT per 5 kg body weight. It is not necessary to exceed the dose of 35 mg of Praziquantel in adult cats.
Treat at intervals of 4-6 weeks or 2 to 4 times a year depending on the risk of infestation.

Withdrawal period
Not applicable.

Shelf-life period
3 years.

Storage
In a cool, dry and dark place and protected from light.
Do not store the product below 4°C.

Supply
Blister with 10, 50, or 500 tablets.

LICENSE NUMBER: 0598-ESP (AEM SPAIN)
Cefamax

Intramammary Mastitis Treatment for Dry Cow

Pharmaceutical Form
Intramammary ointment.

Composition per syringe (10 ml)
Cephapirin benzathine 383,3 mg *
* Equivalent to 300 mg of Cephapirin.

Indications
Cows in the dry period: treatment of subclinical mastitis and prevention of new infections caused by microorganisms sensitive to cephapirin.

Administration Route
Intramammary administration.

Dosage and administration
One intramammary syringe per quarter at the beginning of the drying period.

Withdrawal period
Meat: 14 days.
Milk: zero days after calving in cows with a dry period longer than 5 weeks.
24 hours (2 milkings) after calving if the dry period has been shorter than 5 weeks.

Shelf-life period
2 years.

Storage
Store in a cool and dark place.

Supply
Box with 6 syringes.
Bucket with 48 syringes.

LICENSE NUMBER: 1682-ESP (AEM SPAIN)
Colisin

Ampicillin + Colistin
Injectable Suspension

Pharmaceutical Form
Injectable suspension.

Composition per ml
Ampicillin (trihydrate) 100 mg
Methanesulphonate sodium Colistin 250,000 I.U.

Indications
Infections caused by germs sensitive to ampicillin-colistin
association located in digestive, respiratory and urogenital tracts,
skin and soft tissues. It is also recommended in septicaemia.

Administration Route
Intramuscular injection.

Dosage and administration
1,2 ml of COLISIN per every 10 kg body weight, twice a day for
three days.

Withdrawal period
Meat: 21 days.
Milk: do not use in dairy animals whose milk is for human
consumption.

Shelf-life period
2 years.

Storage
Store in a cool, dark place.

Supply
Vials of 100 ml.

LICENSE NUMBER: 0602-ESP (AEM SPAIN)
Cortexona retard
Long-Acting Dexamethasone

Pharmaceutical Form
Injectable suspension.

Composition per ml
Dexamethasone (isonicotinate) 1,25 mg

Indications
Cattle, horses, dogs and cats: inflammatory affections caused by infections, allergies, traumatism and other aetiologies.
Cattle: ketosis.
Do not administer to animals that have been recently vaccinated.

Administration Route
Intramuscular injection.

Dosage and administration
Calves and foals: 1 ml per 15,5 kg of body weight in a single dose.
Cattle and horses: 1 ml per 62,5 kg of body weight in a single dose.
Dogs: 0,5 ml per 3-12,5 kg of body weight.
Cats: 0,25 ml per 1-3 kg of body weight.
Repeat dose if necessary 10 14 days after the first administration.

Withdrawal period
Meat: 60 days. Do not administer to horses whose meat is for human consumption.
Milk: 48 hours.

Shelf-life period
3 years.

Storage
Store in a cool, dark place.

Supply
Vials of 10 ml and 50 ml.

LICENSE NUMBER: 0542-ESP (AEM SPAIN)
**Cortexionavet**

Steroidal anti-inflammatory Drug

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
Dexamethasone (Sodium phosphate) 2 mg

**Indications**
**Cattle, pigs, horses, dogs and cats:** treatment of allergic or inflammatory conditions.
**Cattle:** treatment of Ketosis. Induction to parturition.
**Horses:** treatment of Arthritis, Bursitis or Tenosynovitis.

**Administration Route**
**Horses:** intramuscular, intravenous or intra-articular injection.
**Cattle, pigs, dogs and cats:** intramuscular injection.

**Dosage and administration**
**Treatment of allergic or inflammatory conditions:**
- **Horses, cattle and pigs:** 1,5 ml / 50 Kg of body weight.
- **Dogs and cats:** 0,5 ml per 10 kg of body weight.
If necessary repeat treatment every 24-48 hours.

**Treatment of Bovine Ketosis:**
Administer 5–10 ml /cow after day 260 of pregnancy. Calving shall take place within 48-72 hours after treatment. If not, repeat treatment.

**Treatment of arthritis, bursitis or tenosynovitis (horses):**
Administer 1-5 ml / horse by intra-articular route. Extract before the same volume of synovial liquid.

**Withdrawal period**
Meat: Cattle and horses: 8 days. Swine: 2 days.
Milk: Cattle: 72 hours. Horses: do not in horses whose milk is for human consumption.

**Shelf-life period**
2 years.

**Storage**
Keep the product in its original package to protect it from light.

**Supply**
Vials 50 ml and 100 ml.

LICENSE NUMBER: 3365-ESP (AEM SPAIN)
**Dexabiopen**

Wide Spectrum Anti infective + Anti-inflammatory Therapy

**Pharmaceutical Form**
Suspension for injection.

**Composition per ml**
- Procaine Benzylpenicillin 200,000 U.I.
- Dihydrostreptomycin (sulphate) 200 mg
- Dexamethasone (21-sodium phosphate) 0,50 mg

**Indications**
Cattle and swine.
Treatment infections caused by microorganisms sensitive to the antimicrobial association, with acute inflammation.

**Administration Route**
Deep intramuscular injection.

**Dosage and administration**
**Cattle and swine:** 1 ml/10-20 kg bw / day for 3 days.

**Withdrawal period**
- **Cattle:** Meat: 56 days. Milk: 60 hours.
- **Swine:** Meat: 68 days.

**Shelf-life period**
2 years.

**Storage**
Store below 25°C in the original package to protect it from light.

**Supply**
Glass vials of 10, 50, 100 and 250 ml.
Polyethylene terephthalate (PET) vials of 100 and 250 ml.
Not all pack sizes may be marketed.

LICENSE NUMBER: 2549-ESP (AEM SPAIN)
Gleptafer
Anaemia prevention in piglets

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
Iron III (gletoferron complex) 200 mg

**Indications**
Prophylaxis and treatment of ferropenic anaemia in piglets.

**Administration Route**
Intramuscular injection.

**Dosage and administration**
Administer 1 ml per piglet in a single dose between day 1 and 3 of life.

**Withdrawal period**
Not required.

**Shelf-life period**
4 years.

**Storage**
No special storage conditions required.

**Supply**
Vials of 100 ml.

LICENSE NUMBER: 3413-ESP (AEM SPAIN)
**Digestoyet**

Injectable choleretic - cholagogue

*Pharmaceutical Form*
Injectable solution.

*Composition per ml*
Menbutone (Genabilic Acid) 100 mg

*Indications*
Restoration of the normal gastrointestinal, duodenal and gall bladder function. It is indicated when digestive secretions are needed, like for instance:

- **Bovine**: indigestion, toxaemia, ketosis, anorexia, liver and pancreas insufficiencies.
- **Porcine**: indigestion, anorexia, intoxication, liver and pancreas insufficiencies.

*Administration Route*
Deep intramuscular or slow intravenous injection.

*Dosage and administration*
1 ml per 10 kg body weight and day.
If necessary repeat the treatment 24 to 48 hours later.

*Withdrawal period*
Meat and milk: 2 days.

*Shelf-life period*
3 years.

*Storage*
Store in a cool, dark place.

*Supply*
Vials 100 ml.

LICENSE NUMBER: 8357 (AEM SPAIN)
Diuretil injectable

Injectable Diuretic

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
Hydrochlorothiazide 25 mg

**Indications**
Cattle: mammary and vulva oedema. Local oedemas of traumatic origin. Stimulation of diuresis.

**Administration Route**
Intramuscular injection.

**Dosage and administration**
5-10 ml per animal and day.
Dosage and treatment period depends on the seriousness of the process.

**Withdrawal period**
Not Meat: 7 days.
Milk: do not use.

**Shelf-life period**
3 years.

**Storage**
Store in a cool, dark place.

**Supply**
Vials of 100 ml.

LICENSE NUMBER: 846-ESP (AEM SPAIN)
**Dorbene Vet**

Sedative and analgesic in injectable solution

![Dorbene Vet image]

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
Medetomidine hydrochloride 1 mg

**Indications**
Dorbene is indicated for use as a sedative and analgesic in dogs and cats to facilitate clinical examinations and other clinical procedures in which medication makes handling of the animal easier.

- **Clinical examinations**: radiological examinations etc.
- **Clinical procedures**: dental procedures, ear cleaning etc.
- **Small surgical procedures**: wound suturing, skin tumor removal, castration of tomcats etc.

As a premedication of general anaesthesia.

**Administration Route**
Intramuscular, intravenous or subcutaneous injection.

**Dosage and administration**
For sedation:
- **Dog**: 10-80 µg/kg (0,1-0,8 ml/10 kg).
- **Cat**: 50-150 µg/kg (0,05-0,15 ml/kg).

Dosage for deep sedation / anaesthesia: see leaflet.

**Withdrawal period**
Not applicable.

**Shelf-life period**
2 years.

**Storage**
Store below 25ºC, do not freeze.
Store in the original package in order to protect from light.

**Supply**
Vials of 100 ml.

LICENSE NUMBER: 1839-ESP (AEM SPAIN)
Injectable Oxytocin

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
Synthetic Oxytocin 10 I.U.

**Indications**
In general and for all species: induction to parturition, uterus atony, uterus involution, metritis, retained placenta, lactation induction after parturition, milk ejection, agalaxia in sows. Also as coadjuvant therapy for the antibiotic treatment of acute and chronic mastitis, in order to facilitate the expulsion of residues and facilitating the drainage.

**Administration Route**
Intramuscular, intravenous or subcutaneous injection.

**Dosage and administration**
Obstetrics (intravenous, intramuscular or subcutaneous injection):
- **Cows**: 7,5-10 ml per cow.
- **Mares**: 7,5-15 ml per mare.
- **Sows, sheep and goats**: 3-5 ml per animal.
- **Bitch**: 0,5-2,5 ml per bitch.
- **Female cats**: 0,5-1 ml per cat.

Milk ejection (preferably intravenously):
- **Cows and mares**: 1-2 ml per animal.
- **Sows, sheep and goats**: 0,5-2 ml per animal.
- **Bitch**: 0,2-1 ml per bitch.
- **Female cats**: 0,1-1 ml per cat.

The administration can be repeated every 30 minutes if the veterinary surgeon considers it necessary.

**Withdrawal period**
Meat: 2 days.
Milk: 2 days.

**Shelf-life period**
2 years.

**Storage**
In a cool, dark place.

**Supply**
Vials of 10, 100 and 250 ml.

LICENSE NUMBER: 0528-ESP (AEM SPAIN)
**Fiebrina porcino**

**Antipyretic in water soluble powder**

**Pharmaceutical Form**
Water soluble powder.

**Composition per gram**
Acetylsalicylic Acid 700 mg

**Indications**
Porcine: antipyretic.

**Administration Route**
Oral, in drinking water.

**Dosage and administration**
To calculate the amount of FIEBRINA PORCINO per litre of water use the following formula:

\[
\text{Grams of Fiebrina Porcino} = \frac{\text{Body Weight (kg)}}{7} \times \frac{1}{\text{Water consumption in litres}}
\]

In general, the dosage of FIEBRINA PORCINO is 1.5 grams per litre of drinking water and day. Administer FIEBRINA PORCINO until the relief of fever for not more than 5 days.

It is recommended to make a pre-dilution by mixing the product at a rate of 1/10 (1 kg of product per 10 litres of water) and shake until its dissolution. Effervescency does take place during the dissolution process.

**Withdrawal period**
Meat: 1 day.

**Shelf-life period**
3 years.

**Storage**
In a dry place.

**Supply**
Box of 1 kg (10 bags of 100 grams).
Box of 5 kg (5 bags of 1 kg).

LICENSE NUMBER: 1629-ESP (AEM SPAIN)
Fiebrina terneros
Antipyretic in water soluble powder

**Pharmaceutical Form**
Water soluble powder.

**Composition per gram**
Acetylsalicylic Acid 700 mg

**Indications**
Calves: antipyretic.

**Administration Route**
Oral, in drinking water.

**Dosage and administration**
1 gram of FIEBRINA TERNEROS per every 7 kg of body weight, every 12 hours until the relief of fever.
It is recommended to make a pre-dilution by mixing the product at a rate of 1/10 (1 kg of product per 10 litres of water) and shake until its dissolution. Effervescency does take place during the dissolution process.

**Withdrawal period**
Meat: 24 hours.

**Shelf-life period**
3 years.

**Storage**
In a dry place.

**Supply**
Box of 1 kg (10 bags of 100 grams).
Box of 5 kg (5 bags of 1 kg).

LICENSE NUMBER: 1250-ESP (AEM SPAIN)
Florfenis®
Antibacterial in injectable solution

Pharmaceutical Form
Injectable solution.

Composition per ml
Florfenicol 300 mg

Indications
Disease caused by bacteria sensitive to Florfenicol.

Cattle: treatment of respiratory infections caused by Mannheimia haemolytica, Pasteurella multocida and Histophilus somni.

Swine: treatment of acute outbreaks of swine respiratory disease caused by Actinobacillus pleuropneumoniae and Pasteurella multocida.

Administration Route
Cattle: intramuscular or subcutaneous. Swine: intramuscular.

Dosage and administration
Cattle:
Intramuscular administration: Administer 1 ml of FLOrFenIS per 15 kg of body. Repeat the treatment 48 hours later.
Subcutaneous administration: Administer 2 ml of FLOrFenIS per 15 kg of body weight only once.
Do not administer more than 10 ml in one single injection site.
The product shall be administered only in the neck.

Swine:
Intramuscular administration: 1 ml of FLOrFenIS / 20 kg of body weight in the neck musculature. Repeat the treatment 48 later.
Do not administer more than 3 ml in one single injection site.

Withdrawal period
Cattle: Meat: 30 days after intramuscular injection. 44 days after subcutaneous injection. Milk: Do not use.
Swine: Meat: 18 days.

Shelf-life period
2 years.

Storage
Keep the vial in the outer carton in order to protect from light. Do not freeze.

Supply
Vials of 100 and 250 ml.

LICENSE NUMBER: 2.542-ESP (AEM SPAIN)
**Flumesyva líquido 20%**

**Flumequine 20% Oral Solution**

**Pharmaceutical Form**
Oral solution.

**Composition per ml**
Flumequine. 200 mg

**Indications**
Treatment of germs sensitive to flumequine, which causes infections such as:
- **Poultry and turkey**: colibacillosis, salmonellosis and pasteurellosis.
- **Pigs**: colibacillosis, enteritis, gastroenteritis, neonatal diseases.
- **Lambs**: colibacillosis, septicaemia, pasteurellosis and pneumonia.
- **Calves**: bronchopneumonia, colibacillosis enteritis, neonatal diseases and salmonellosis.

**Administration Route**
Orally, by addition to drinking water.

**Dosage and administration**

**Poultry**: 1 ml per 8-16 kg body weight during 5 days, equivalent to 0.5 ml per litre and day of drinking water.

**Adult pig**: 0.30 ml per 10 kg of body weight, every 12 hours, during 3-5 days.

**Piglet**: 0.60 ml per 10 kg of body weight, every 12 hours, during 3-5 days.

**Lambs**: 0.30 ml per 10 kg of body weight, every 12 hours, during 4-6 days.

**Calves**: 0.25-0.50 ml per 10 kg of body weight, every 12 hours, during 5 days.

**Withdrawal period**
Meat: 10 days.
Eggs: do not use in laying hens.

**Shelf-life period**
3 years.

**Storage**
Store in a cool, dark place.

**Supply**
Bottle of 1 litre.

LICENSE NUMBER: 0571-ESP (AEM SPAIN)
Flumesyva pasta oral
Flumequine 3% in Paste for Oral Administration

Pharmaceutical Form
Oral paste.

Composition per gram
Flumequine 30 mg

Indications
Treatment of germs sensitive to flumequine, which cause infections such as:

Piglets: colibacillosis, enteritis, gastroenteritis, and neonatal diseases.

Lambs: colibacillosis, septicaemia, pasteurellosis and pneumonia.

Administration Route
Oral administration by means of a dispenser.

Dosage and administration
Every time the dispenser is pressed it delivers one dose of 1 g of FLUMESYVA ORAL PASTE, equivalent to 30 mg of flumequine.

Piglets: one pulsation of the dispenser per 2.5 kg body weight every 12 hours, during 3-5 days.

Lambs: one pulsation of the dispenser per 5 kg body weight every 12 hours, during 4-6 days.

Withdrawal period
Meat: 10 days.

Shelf-life period
3 years.

Storage
In a cool, dark place.

Supply
Bottles of 150 g, with dispenser.

LICENSE NUMBER: 0580-ESP (AEM SPAIN)
Flumesyva polvo 10%
Flumequine 10%, Water Soluble Powder

Pharmaceutical Form
Water soluble powder.

Composition per gram
Flumequine 100 mg

Indications
Treatment of microorganisms sensitive to flumequine, which cause infections such as:
- **Poultry and turkey**: colibacillosis, salmonellosis and pasteurellosis.
- **Pigs**: colibacillosis, enteritis, gastro-enteritis, neonatal diseases.
- **Calves**: bronchopneumonia, colibacillosis, bacterial enteritis, neonatal diseases and salmonellosis.
- **Lambs**: colibacillosis, septicaemia, pasteurellosis and pneumonia.
- **Fish**: furunculosis in salmonidae.

Administration Route
Oral, by addition to feed or to drinking water.

Dosage and administration
- **Poultry and turkey**: 1 g per 4-8 kg of body weight and day, during 3-5 days.
- **Adult swine**: 3 g per 50 kg of body weight, every 12 hours, during 3-5 days.
- **Piglets**: 3 g per 25 kg of body weight, every 12 hours, during 3-5 days.
- **Lambs**: 0.60 g per 10 kg of body weight, every 12 hours, during 4-6 days.
- **Calves**: 5 g per 50 to 100 kg of body weight, every 12 hours, during 5 days.
- **Fish**: 0.12 g per kg of body weight and day.

Withdrawal period
- **Pigs and poultry**: 2 days.
- **Turkey, lambs, calves and fish**: 10 days.
- **Eggs**: do not use in laying hens.

Shelf-life period: 3 years.

Storage: in a cool, dry and dark place.

Supply
Box of 1 kg (10 bags of 100 g).
Box of 5 kg (5 bags of 1 kg).

LICENSE NUMBER: 0570-ESP (AEM SPAIN)
Flumesyva premezcla
Flumequine 10% as premix

Pharmaceutical Form
Premix.

Composition per gram
Flumequine 100 mg

Indications
Treatment of furunculosis in trout.

Administration Route
Oral, by mixed with feed.

Dosage and administration
12 mg per kg of body weight, during 4 to 5 days.

Withdrawal period
50th day.

Shelf-life period
3 years.

Storage
In a cool, dry and dark place.

Supply
Bags of 10 kg.

LICENSE NUMBER: 1731-ESP (AEM SPAIN)
Fluyesyva inyectable 7,5%

Flumequine 7.5% Injectable Suspension

**Pharmaceutical Form**
Injectable suspension.

**Composition per ml**
Flumequine 75 mg

**Indications**
Cattle, sheep, swine and dogs: respiratory and genitourinary infections, colibacilosis, bacteria enteritis, gastroenteritis and salmonelosis. Specially indicated in neonatal diseases.

**Administration Route**
Intramuscular injection.

**Dosage and administration**
Administer every 12 hours, during 3-5 days.
- **Cattle:** Adults: 1 ml per 10 kg body weight. Calves: 1 ml per 6-7.5 kg body weight.
- **Sheep:** 1 ml per 10 kg body weight.
- **Pigs:** Adults: 1 ml per 10 kg body weight. Piglets: 1 ml per 5 kg body weight.
- **Dogs:** 1 ml per 8-12 kg body weight.

**Withdrawal period**
Meat: 10 days. Milk: do not use in dairy animals whose milk is for human consumption.

**Shelf-life period**
2 years.

**Storage**
Store in a cool, dark place.

**Supply**
Vials of 50 and 100 ml.

LICENSE NUMBER: 0579-ESP (AEM SPAIN)
**Forticlina retard**

**Long-Acting Oxytetracycline**

<table>
<thead>
<tr>
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<th>Injectable solution.</th>
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<tbody>
<tr>
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<td>Oxytetracycline 200 mg</td>
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<tr>
<td><strong>Indications</strong></td>
<td>Treatment of germs sensitive to oxytetracycline, which cause infections such as:</td>
</tr>
<tr>
<td></td>
<td><strong>Cattle:</strong> pneumonia, shipping fever, pododermatitis, bacterial enteritis, actinobacillosis, omphalitis, metritis, mastitis, infected wounds and anaplasmosis.</td>
</tr>
<tr>
<td></td>
<td><strong>Pigs:</strong> pneumonia, bacterial enteritis, haemorrhagic septicaemia, erysipelas and MMA syndrome.</td>
</tr>
<tr>
<td></td>
<td><strong>Sheep and goats:</strong> pneumonia, chlamydia infections, metritis, mastitis, foot rot, omphalitis and infected wounds.</td>
</tr>
<tr>
<td><strong>Administration Route</strong></td>
<td>Deep intramuscular injection.</td>
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<tr>
<td><strong>Dosage and administration</strong></td>
<td><strong>Cattle:</strong> 1 ml per 10 kg body weight. Do not apply more than 15 ml in the same injection site.</td>
</tr>
<tr>
<td></td>
<td><strong>Pigs:</strong> 1 ml per 10 kg body weight by deep intramuscular injection. Do not apply more than 10 ml per injection site. In piglets smaller than 10 kg administer 1 ml per animal subcutaneously.</td>
</tr>
<tr>
<td></td>
<td><strong>Sheep, Goats:</strong> 1 ml per 10 kg body weight. Do not apply more than 5 ml per injection site. At the indicated dosage the therapeutic level stays in blood for 3-4 days. Therefore there is no need to repeat the treatment unless the veterinarian ask to do so.</td>
</tr>
<tr>
<td><strong>Withdrawal period</strong></td>
<td>Meat: Cattle: 30 days, Swine: 23 days, Sheep and goats: 24 days. Milk: Do not use in dairy animals whose milk is for human consumption.</td>
</tr>
<tr>
<td><strong>Shelf-life period</strong></td>
<td>3 years.</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store in a cool, dark place.</td>
</tr>
<tr>
<td><strong>Supply</strong></td>
<td>Vials of 100 ml and 250 ml.</td>
</tr>
</tbody>
</table>

LICENSE NUMBER: 2657-ESP (AEM SPAIN)
Injectable Gentamycin

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
Gentamycin (sulphate) 40 mg

**Indications**
**Cattle:** coli-mastitis, colibacillosis and salmonellosis in calves, genitourinary diseases, respiratory tract infections.
**Horses:** colibacillosis and salmonellosis in foals, genitourinary infections and respiratory tract infections.
**Piglets:** neonatal colibacillosis.
**Dogs:** genitourinary infections, respiratory infections, infections of the skin and soft tissues, bacterial gastroenteritis, bacteremia and septicemia.
**Cats:** genitourinary infections, respiratory infections, infections of the skin and soft tissues, bacterial gastroenteritis.

**Administration Route**
Deep intramuscular or slow intravenous injection.

**Dosage and administration**
**Cattle:** 1 ml per 8-10 kg body weight, every 12 hours, for three days.
**Horses:** 1 ml per 10-20 kg body weight, every 8 hours, for three days.
**Piglets:** a single dose of 0,125 ml per animal.
**Dogs and Cats:** 1 ml per 8 kg body weight, every 12 hours, for 3-4 days.

**Withdrawal period**
Cattle: 60 days.
Swine: 40 days.
Milk: 3 days.
Do not administer in horses whose meat is for human consumption.

**Shelf-life period**
3 years.

**Storage**
Store in a cool, dark place.

**Supply**
Vials of 100 ml and 250 ml.

LICENSE NUMBER: 0347-ESP (AEM SPAIN)
**Gonasyl**

**Injectable GnRH**

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
Gonadorelin (as Gonadorelin acetate) 50 mcg

**Indications**
Cows: treatment of follicular ovarian cysts. Improvement of the pregnancy rate after AI.

**Administration Route**
Intramuscular injection.

**Dosage and administration**
**Treatment of follicular ovarian cysts:** 2-3 ml/cow. If necessary treatment can be repeated in intervals of 1 or 2 weeks.
**Improvement of the pregnancy rate after AI:** administer 2 ml/cow just after AI and/or 12 days later.

**Withdrawal period**
Meat: Zero days.
Milk: not required.

**Shelf-life period**
2 years.

**Storage**
Store in a cool place (below 25°C) and protected from light.

**Supply**
Vials of 2 ml, 6 ml and 20 ml.

LICENSE NUMBER: 1384-ESP (AEM SPAIN)
**Ionidiar complex**

Oral Rehydration Therapy

**Pharmaceutical Form**
Water soluble powder.

**Composition per 100 gram**
- Calcium Gluconate: 1.9 g
- Magnesium Sulphate: 0.7 g
- Potassium phosphate: 7.7 g
- Sodium Chloride: 9.0 g
- Dextrose: 54.0 g
- Glycine: 18.0 g
- Sodium bicarbonate: 2.7 g
- Pectin: 6.0 g

**Indications**
Calves, lambs, kids, piglets and foals: symptomatic treatment of diarrhoea.

**Administration Route**
Oral, in drinking water.

**Dosage and administration**
- **Calves and foals:** dilute 100 g in 2 litres of warm water, and administer this dosage twice a day.
- **Lambs, kids and piglets:** dilute 20 g in 300 ml of warm water, and administer this dosage twice a day.

Recommended administration period: between 1 and 7 days.

**Withdrawal period**
Cero days.

**Shelf-life period**
3 years.

**Storage**
In a cool and dry place.

**Supply**
Box of 10 bags of 100 g each.
Box of 5 bags of 1 kg each.

MANUFACTURER NUMBER: αESP24000089
Luteosyl

Injectable Prostaglandin

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
d-Cloprostenol 0,075 mg

**Indications**

**Cows:**

**Sows:**
Reproduction indications: parturition induction.

**Administration Route**
Intramuscular injection.

**Dosage and administration**

**Cows:** 2 ml LUTEOSYL / animal.

**Sows:** 1 ml LUTEOSYL / animal.

**Withdrawal period**
Cow: meat: 1 days. Milk: 0 days.
Swine: meat: 1 day.

**Shelf-life period**
2 years.

**Storage**
Store in a cool place (below 25°C) and protected from light.

**Supply**
Vials of 20 ml.

LICENSE NUMBER: 1752 ESP (AEM SPAIN)
Mamifort

Intramammary Mastitis Treatment in Lactating Females

Pharmaceutical Form
Intramammary ointment.

Composition per syringe
Ampicillin (sodium) 75 mg
Cloxacillin (sodium) 200 mg

Indications
Cow, sheep and goat in lactation: mastitis.

Administration Route
Intramammary administration.

Dosage and administration
Cattle: 1 syringe of MAMIFORT per quarter, every 12 hours.
Sheep and Goats: half a syringe of MAMIFORT per mammary gland, every 12 hours.
The complete treatment includes 3 doses.

Withdrawal period
Meat: 7 days.
Milk: 3 days.

Shelf-life period
2 years.

Storage
Store in a cool and dark place.

Supply
Blister with 4 syringes.
Bucket with 48 syringes.

LICENSE NUMBER: 0610-ESP (AEM SPAIN)
Mamifort secado

Intramammary Treatment of Mastitis in the Dry-Cow

**Pharmaceutical Form**
Intramammary ointment.

**Composition per syringe**
- Ampicillin (trihydrate) 250 mg
- Cloxacillin (benzathine) 500 mg

**Indications**
Cows in the dry period: mastitis.

**Administration Route**
Intramammary administration.

**Dosage and administration**
Administer one syringe of MAMIFORT SECADO per quarter in a single dose.

**Withdrawal period**
- Meat and offal: 28 days.
- Milk: 12 hours after the calving when the dry period is higher than 50 days.
- 50 days and 12 hours after the treatment when the dry period is 50 days or less.

**Shelf-life period**
2 years.

**Storage**
Store in a cool and dark place.

**Supply**
- Blister with 4 syringes.
- Bucket with 48 syringes.

LICENSE NUMBER: 0914 - ESP (AEM SPAIN)
Marbosyva®

Marbosyva injectable solution for cattle and pigs (sows)

Composition per ml
Marbofloxacin 100 mg

Indications
Cattle: Treatment of respiratory infections caused by susceptible strains of *Histophilus somni*, *Mannheimia haemolytica*, *Pasteurella multocida* and *Mycoplasma bovis*.
Treatment of acute forms of mastitis induced by marbofloxacin-susceptible *Escherichia coli* strains, during lactation.
Pigs (sows): Treatment of Postpartum Dysgalactiae Syndrome, PDS (Metritis Mastitis Agalactia Syndrome) caused by marbofloxacin-susceptible bacterial strains.

Administration route
Cattle: subcutaneous, intramuscular or intravenous injection.
Pigs: intramuscular injection.

Dosage and administration
Cattle:
- Respiratory infections: The recommended dosage is 8 mg/kg body weight (2 ml/25 kg BW) in a single injection by intramuscular route. If the volume to be injected is more than 20 ml, it should be divided between two or more injection sites.
- In cases of respiratory infections caused by *Mycoplasma bovis*, the recommended dose is 2 mg/kg body weight (1 ml/50 kg bodyweight), in a single daily injection for 3 to 5 consecutive days, by intramuscular or subcutaneous route. The first injection may be given by the intravenous route.
- Acute mastitis: The recommended dosage is 2 mg/kg bodyweight (1 ml/50 kg BW) in a single daily injection, by subcutaneous or intramuscular route, for 3 consecutive days. The first injection may be given by the intravenous route.

Pigs (sows): The recommended dosage is 2 mg/kg bodyweight (1 ml/50 kg BW) in a single daily injection by the intramuscular route, for 3 consecutive days.
**Withdrawal period**

**Cattle:** Intramuscular use (8 mg/kg single dose):
   - Meat: 3 days; Milk: 72 hours.
   - Intramuscular or subcutaneous use (2 mg/kg single daily injection, for 3 days): Meat: 6 days; Milk: 36 hours.

**Pigs (sows):** Intramuscular use: Meat: 4 days.

**Shelf-life period**

2 years.

**Storage**
Keep the vial in the outer carton in order to protect from light. Do not freeze.

**Supply**
Vials of 100 and 250 ml.

LICENSE NUMBER: 2670-ESP (AEM SPAIN)
Meganyl
Injectable non-steroidal anti-inflammatory drug (NSAID)

Pharmaceutical Form
Injectable solution.

Composition per ml
Flunixin (meglumine) 50 mg

Indications
Cattle: control of the acute inflammation and pyrexia related with the bovine respiratory disease.
Horses: reduction of the inflammation and pain related with acute and chronic musculoskeletal disorders. Relief of visceral pain associated with colic.
Swine: reduction of the inflammation and pain related with the MMA syndrome.

Administration Route
Cattle and horses: intravenous.
Pigs: intramuscular.

Dosage and administration
Cattle: 2 ml per 45 kg of body weight, every 24 hours. Maximum 3 days.
Horses: 1 ml per 45 kg of body weight, every 24 hours. Maximum 5 days.
Swine: 2 ml per 45 kg of body weight. 1 or 2 injections with an interval of 12 hours in between.

Withdrawal period
Cattle, meat: 4 days, milk: 24 hours.
Horses: meat: 28 days.
Swine: meat 21 days.

Shelf-life period
2 years.

Storage
Store in a cool place (below 25°C) and protected from light.

Supply
Vials of 100 ml and 250 ml.

LICENSE NUMBER: 1763 - ESP (AEM SPAIN)
Meteoral

Anti- Bloat Therapy
Paraffine in oral solution

Pharmaceutical Form
Oral solution.

Composition
Light liquid paraffin.

Indications
Bovine, ovine and caprine: meteorism (bloat).

Administration Route
Oral administration.

Dosage and administration
Cattle: 50-100 ml per animal every 2-4 hours, until it returns to normality.
Sheep and Goats: 30-50 ml per animal every 2-4 hours, until it returns to normality.

Withdrawal period
Not required.

Shelf-life period
3 years.

Storage
In a cool and dark place.

Supply
Bottle of 1 litre.

LICENSE NUMBER: 0673 - ESP (AEM SPAIN)
Neodigestol
Digestive Therapy for Ruminants
Minerals, trace elements and amino acids

**Pharmaceutical Form**
Powder for oral use.

**Composition per bag**
- Calcium Propionate 40 g
- Cobalt Sulphate 2 g
- Magnesium Sulphate 10 g
- Iron Sulphate 4 g
- Brewer’s Yeast 20 g
- Casein 15 g
- Methionine 5 g
- Glucose 20 g
- Bicalcic Phosphate 10 g
- Calcium Carbonate 150 g

**Indications**
Indicated in the treatment of digestive disorders in ruminants due to feeding disorders (rumen paresis, feed overloading, indigestion, intoxication, diarrhoea, gastritis, etc.) In disease convalescences to speed up the animal’s recovery. To restore the rumen flora after the treatment with antibiotic or sulphonamides. For the treatment of acidosis in general. As coadjuvant therapy of metabolic disorders (ketosis, milk fever, tetany, postpartum paraplegia, etc.).

**Administration Route**
Oral, mixed with drinking water.

**Dosage and administration**
**Cattle:** mix the content of one bag with 1 litre of water, shake well in order to obtain a suspension of the product, and administer it using a bottle or a probe. Repeat every 12 hours if necessary.

**Sheep and Goats:** 10-15 g. per animal (2-3 soap spoon). Mix the product with a quarter of a litre of water and shake well in order to obtain a suspension of the product. Administer the product with a bottle or a probe. Repeat 12 hours later.

**Withdrawal period:** not applicable.

**Shelf-life period:** 3 years.

**Storage:** store in a cool and dry place.

**Supply:** pack with 4 bags of 150 g. each.

LICENSE NUMBER: 7458 (AEM SPAIN)
Pantoyet
Injectable Erythromycin

Pharmaceutical Form
Injectable solution.

Composition per ml
Erythromycin 200 mg

Indications
Cattle: treatment of pneumonia, mastitis, metritis, infectious pododermatitis by anaerobic bacteria, Shipping Fever.
Pigs: treatment of pneumonia, bronchitis and rhinitis, mastitis and metritis.

Administration Route
Deep intramuscular injection.

Dosage and administration
Administer the following doses once a day:
Cattle: 1 ml per 45-90 kg body weight, once a day.
Sheep: 0,5 ml per 45 kg body weight, once a day.
Pigs: 0,5 ml per 15-45 kg body weight, once a day.

Withdrawal period
Meat: Cattle: 21 days.
Sheep and Swine: 10 days.
Milk: do not use in dairy animals whose milk is for human consumption.

Shelf-life period
2 years.

Storage
Store in a cool, dark place.

Supply
Vial of 50 ml.

LICENSE NUMBER: 0686 - ESP (AEM SPAIN)
Pederol aerosol

Antibacterial and antiseptic in spray

Pharmaceutical Form
Spray for topical use.

Composition per gram
Chlortetracycline chlorhydrate 20 mg
Blue colorant E 131

Indications
Sheep, goats, cattle, swine, horse, poultry, dogs and cats:
Accidental or surgical wounds, foot rot and other infectious injuries in feet and hooves caused by sensitive microorganisms.

Administration Route
Topical administration by spray.

Dosage and administration
Shake before use; holding the container with the arm outstretched spray the affected area until completely covered. Repeat treatment according to the evolution and severity of the lesions. Before using, clean the affected area and remove dirt and necrosed tissue.

Withdrawal period
Not required. In the case of emergency slaughter discard the treated area.

Shelf-life period
2 years.

Storage
In a cool place.

Supply
Bottle of 250 ml.

LICENSE NUMBER: 0279 - ESP (AEM SPAIN)
Pendistrep
Penicillin + Dihydrostreptomycin Injectable Suspension

**Pharmaceutical Form**
Injectable suspension.

**Composition per ml**
- Bencylpenicillin Procaine 200,000 I.U.
- Dihydrostreptomycin (sulphate) 250 mg

**Indications**
Treatment of bacteria and post-operation infections and/or secondary processes to virus infections caused by microorganisms sensitive to the association of Bencylpenicillin (procaine) and dihydrostreptomycin (sulphate), such as:
- **Cattle and Sheep**: cutaneous abscesses, actinomycosis, foot affections, arthritis, bacterial anthrax, metritis, mastitis, leptospirosis, pneumonia and bronchopneumonia.
- **Pigs**: arthritis, abortions, pneumonia, bronchopneumonia, leptospirosis, erysipelas, MMA syndrome.
- **Horses**: pneumonia and bronchopneumonia, metritis and strangles.

**Administration Route**
Intramuscular injection.

**Dosage and administration**
All species: 0.3-0.5 ml per 10 kg of body weight and day. Continue treatment for another 1 to 2 days after the total relief of symptoms.

**Withdrawal period**
- Meat: 30 days.
- Milk: 3 days.
- Do not administer to horses whose meat is for human consumption.

**Shelf-life period**
2 years.

**Storage**
Store below 25°C in the original package to protect it from light.

**Supply**
Vials of 100 ml and 250 ml.

LICENSE NUMBER: 0590 - ESP (AEM SPAIN)
Registered at the AEM under the name of EXABIOOPEN
This product is named as EXABIOOPEN in Spain and some export markets.
Selevit adultos

Injectable Selenium + Vitamin E

Pharmaceutical Form
Injectable emulsion.

Composition per ml
Acetate of dl-α tocopherol (Vitamin E) 75 mg
Selenium (sodium selenite) 750 mcg

Indications
Diseases caused by a deficiency of Vitamin E and Selenium, like:
Cattle, Sheep and Goats: white muscle disease.

Administration Route
Intramuscular or subcutaneous injection.

Dosage and administration
Cattle:
0.6-1.2 ml per 15 kg body weight. Repeat dose if necessary in 2-4 weeks.

Sheep and Goats:
Lambs and kids over 2 weeks old: 1 ml per 15 kg body weight.
Sheep and goats (in order to prevent the deficiency in their lambs and kids): 1.2 ml per 15 kg body weight after the 3rd pregnancy month.
Pigs:
Weaned pigs: 1 ml per 15 kg body weight.
Sows (in order to prevent the deficiency in piglets): 1.2 ml per 15 kg body weight.

Withdrawal period
Meat: Cattle: 30 days.
Sheep, goat and pig: 14 days.

Shelf-life period
2 years.

Storage
Store in a cool, dark place.

Supply
Vials of 100 and 250 ml.

LICENSE NUMBER: 994 - ESP (AEM SPAIN)
Selevit complex
Injectable Selenium + Vitamin E

Pharmaceutical Form
Injectable emulsion.

Composition per ml
Selenium (as sodium selenite) 250 mcg
α-Tocopherol acetate (Vitamin E) 25 mg

Indications
In diseases caused by a deficiency in Vitamin E and Selenium like:
Sheep and Goats: white muscle disease.
Pigs: mulberry heart disease, hepatosis dietetica (toxic liver dystrophy).

Administration Route
Intramuscular or subcutaneous injection.

Dosage and administration
Sheep and Goats:
New born Lambs and Kids: 1 ml per animal.
Lambs and Kids over 2 weeks old: 2 ml per 10 kg of body weight.
Sheep and Goats (to prevent the deficiency of Vitamin E and Selenium in their lambs and kids): 2,4 ml per 10 kg of body weight after the third pregnancy month.
Pigs:
Piglets: 1 ml per piglet.
Weaned Pigs: 2 ml per 10 kg body weight.
Sows (to prevent the deficiency of Vitamin E and Selenium in piglets): 2,4 ml per 10 kg body weight.

Withdrawal period
Meat: 14 days.

Shelf-life period
2 years.

Storage
Store in a cool, dark place.

Supply
Vials of 100 and 250 ml.

LICENSE NUMBER: 0993 - ESP (AEM SPAIN)
**Sinvermin ovino**

Antiparasitic in oral suspension

**Pharmaceutical Form**
Oral suspension.

**Composition per ml**
Albendazole 28,5 mg

**Indications**
Sheep: anti-parasites product for the treatment of gastrointestinal (roundworms) and pulmonary (lungworms) nematodiasis (adult forms, larvae and eggs), taeniasis (tapeworms), fascioliasis (common liver fluke) and dicrocoeliasis (lesser liver fluke).

**Administration Route**
Oral, using a dispenser.

**Dosage and administration**
Administer one single dose:
- **Treatment of nematodiasis and taeniasis**: a single dose of 1 ml per 6-7,50 kg of body weight.
- **Treatment of fascioliasis**: a single dose of 1 ml per 4-6 kg body weight.
- **Treatment of dicrocoeliasis**: a single dose of 1 ml per 2-3 kg body weight.

Newly introduced animals should be treated before entering the farm, in order to avoid external contamination. These animals should not be allowed to go to the pastures for at least 8 hours.

**Withdrawal period**
Meat: 10 days.
Milk: 4 days.

**Shelf-life period**
2 years.

**Storage**
Store in a cool, dark place.

**Supply**
Bottles of 1 litre.
Carafes of 4.5 litres.

LICENSE NUMBER: 1051 - ESP (AEM SPAIN)
**Syvabe**

**Injectable Group B Vitamins**

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
- Vitamin B₁ 25 mg
- Vitamin B₂ 2 mg
- Vitamin B₆ 7,5 mg
- Vitamin B₁₂ 2,5 mcg
- Calcium Pantotenate 25 mg
- Nicotinamide 50 mg

**Indications**

Cattle, sheep, goats and swine:
- Nervous system pathologies such as paralysis, ataxia, myelitis and polyneuritis.
- Digestive disorders such as diarrhoea, peristalsis alterations and liver insufficiency.
- Dermatitis in dogs and pigs.
- Anaemia.

**Administration Route**
Intramuscular injection.

**Dosage and administration**
Dose recommended as a guideline:
- **Adult Cattle**: 10 ml.
- **Calves**: 2-5 ml.
- **Adult pigs**: 5-10 ml.
- **Fattening pigs**: 2-4 ml.
- **Piglets**: 1-2 ml.
- **Sheep and Goats**: 2-5 ml.
- **Lambs and Kids**: 1-2 ml.

Treat until the total relief of symptoms.

**Withdrawal period**
Not required.

**Shelf-life period**
2 years.

**Storage**
Store in a cool, dark place.

**Supply**
Vials of 20 ml.

LICENSE NUMBER: 7293 (AEM SPAIN)
Syvacal 20
Oral Calcium + Magnesium + Vitamin D3

Pharmaceutical Form
Oral suspension.

Composition per 500 ml
Dihydrate calcium chloride 203 g. (55 g. of calcium)
Hexahydrate magnesium chloride 8 g. (1 g. of magnesium)
Cholecalciferol (vitamin D₃) 100,000 I.U.

Indications
Cattle:
SYVACAL 20 is indicated in the prophylaxis and treatment of hypocalcaemia in general. It is also used as a support to intravenous calcium therapy and for the prophylaxis of relapses. Its use is highly recommended just before and after calving, and at lactation initial stages.

Administration Route
Oral administration, as deep as possible inside the oral cavity.

Dosage and administration
Parturition and lactation preparation: administer in total 4 bottles per cow. One day before calving, another immediately after calving, and again 12 and 24 hours later.
As a dietetic complement to the injectable calcium: 2 bottles per cow, administered 12 and 24 hours after the treatment with injectable calcium.
Prophylaxis and therapy of hypocalcaemia: 2-4 bottles per cow at intervals of 12 hours.

Withdrawal period
Not applicable.

Shelf-life period
3 years.

Storage
No special conditions are applicable.

Supply
Bottle of 500 ml.

LICENSE NUMBER: LICENSED AS FEED ADDITIVE
Syvadox 10%
Doxycycline in oral solution

**Pharmaceutical Form**
Oral solution.

**Composition per ml**
Doxycycline (hyclate) 100 mg

**Indications**
Swine: treatment of respiratory infections caused by microorganisms sensitive to Doxycycline.
Poultry: colibacilosis, CRD and Mycoplasma.

**Administration Route**
Orally in drinking water.

**Dosage and administration**
Swine: 1 ml per 10 kg of body weight and day, for 3-5 days. The medicated water should be the only source of drinking water during the whole treatment period.
Poultry: 0.5-1 ml per litre of drinking water and day, for 3-5 days.

**Withdrawal period**
Meat: 7 days.
Eggs: do not use.

**Shelf-life period**
2 years.

**Storage**
Store in a cool and dry place.

**Supply**
Bottles of 1 and 5 litres.

LICENSE NUMBER: 1424 – ESP (AEM SPAIN)
Syvamox polvo oral
Amoxicillin in water-soluble powder

Pharmaceutical Form
Water-soluble powder.

Composition per gram
Amoxicillin trihydrate 800 mg
(Equivalent to 700 mg of amoxicillin base).

Indications
Swine (fattening pigs): treatment of respiratory infections caused by Pasteurella multocida strains sensitive to amoxicillin.

Administration Route
Oral administration in drinking water.

Dosage and administration
143 mg of SYVAMOX ORAL POWDER per 10 kg of body weight dissolved in water, and administered every 12 hours during 5 days.
In general administer 286 g of SYVAMOX ORAL POWDER per 1000 litres and day, or one levelled measure spoon (which is supplied along with the product) per 100 litres of drinking water twice a day during 5 days.

Withdrawal period
Meat: 14 days.

Shelf-life period
2 years.

Storage
Store below 30°C, and keep the container tightly closed.

Supply
Container of 250 g and 1 kg. It includes one measure spoon.

LICENSE NUMBER: 1649 – ESP (AEM SPAIN)
**Syvaquinol 10% oral**

Enrofloxacin 10% Oral Solution

*Pharmaceutical Form*
Oral solution.

*Composition per ml*
Enrofloxacin 100 mg

*Indications*
**Poultry (broilers):** salmonelosis, colibacillosis, mycoplasmosis (CRD), infectious coryza, staphylococcal diseases, and pasteurellosis.

*Administration Route*
Orally in drinking water.

*Dosage and administration*
1 ml per 10 kg body weight and day, for 3-5 days, which is equivalent to 0.5 ml per litre of drinking water approximately. This dosage can be doubled in salmonellosis or severe infections. Renew medicated water every day.

*Withdrawal period*
Meat: 4 days.
Eggs: do not use.

*Shelf-life period*
3 years.

*Storage*
Store in a cool, dark place.

*Supply*
Bottles of 1 and 5 litres.

LICENSE NUMBER: 1069– ESP (AEM SPAIN)
Syvaquinol 25 inyectable
Enrofloxacin 2,5% Injectable Solution

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
Enrofloxacin 25 mg

**Indications**
**Piglets:** respiratory infections caused by *Pasteurella multocida*, *Mycoplasma spp.* and *Actinobacillus pleuropneumoniae*. Digestive infections and septicaemia caused by *E.coli*.

**Dogs:** digestive, respiratory, urogenital infections, as well as skin infections, wounds and otitis caused by *Staphylococcus spp.*, *Escherichia coli, Pasteurella spp., Klebsiella spp., Bordetella spp., Pseudomonas spp.* and *Proteus spp.*

**Administration Route**
Intramuscular or subcutaneous administration.

**Dosage and administration**
**Piglets:** administer by intramuscular injection 1 ml per 10 kg body weight and day, for 3 days, by intramuscular injection in the neck. For the treatment of septicemia or digestive infections caused by *E. coli* administer 2 ml per 10 kg body weight and day for 3 days. Do not administer more than 3 ml per injection site.

**Dogs:** administer by subcutaneous injection 1 ml per 5 kg of body weight for a maximum of 5 days.

**Withdrawal period**
Meat: 13 days.

**Shelf-life period**
3 years.

**Storage**
Store in a cool, dark place.

**Supply**
Vials of 100 ml.

LICENSE NUMBER: 1071 – ESP (AEM SPAIN)
Syvaquinol-100 injectable
Enrofloxacin 10% Injectable Solution

Pharmaceutical Form
Injectable solution.

Composition per ml
Enrofloxacin 100 mg

Indications
Pigs: Respiratory infections caused by Pasteurella multocida, Mycoplasma spp. and Actinobacillus pleuropneumoniae. Treatment of Postpartum Dysgalactia Syndrome (PPDS) in sows. Digestive infections and septicaemia caused by E.coli.
Cattle: Respiratory infections caused by Mannheimia haemolytica, Pasteurella multocida and Mycoplasmas spp. Digestive infections and septicaemia caused by E.coli. Acute arthritis caused by Mycoplasma spp.

Administration Route
Pigs: Intramuscular administration
Cattle: Subcutaneous or intravenous administration.

Dosage and administration
Pigs: administer intramuscularly 0.5 ml per 20 kg body weight and day for 3 days. For the treatment septicemia or digestive infections caused by E. coli administer 1 ml per 20 kg body weight and day for 3 days. Do not administer more than 3 ml in the same injection site.
Cattle: administer subcutaneously or slowly intravenously 1 ml per 10 kg body weight and day, for 3-5 days. Do not administer subcutaneously more than 10 ml per injection site.

Withdrawal period
Cattle: Meat: 12 days for intramuscular or subcutaneous administration. 5 days for intravenous administration. Milk: 4 days for subcutaneous administration. 3 days for intravenous administration.
Pig: Meat: 13 days.

Shelf-life period
3 years.

Storage
Store in a cool, dark place.

Supply
Vials of 100 ml and 250 ml.

LICENSE NUMBER: 1068-ESP (AEM SPAIN)
Tetraciclina premezcla syva

Premix Tetracycline

**Pharmaceutical Form**
Premix.

**Composition per gram**
Tetracycline (HCl) 100 mg

**Indications**
Calves, sheep and goats: pneumonia, chlamydia and leptospirosis.
Swine: enzootic pneumonia, listeriosis, leptospirosis and erysipelas.
Poultry: CRD and mycoplasma.

**Administration Route**
Oral mixed with feed.

**Dosage and administration**
Calves: 0.75 to 1 g per animal and day, which is equivalent to 0.75 to 1 kg per tonne of feed.
Sheep and goats: 1 kg per tonne of feed, until the relief of symptoms.
Porcine: 1 to 4 kg per tonne of feed, until the relief of symptoms.
Poultry: 1 to 2 kg per tonne of feed, until the relief of symptoms.
A previous dilution shall be performed to incorporate the product to the feed in a proportion not less than 2 kg per tonne of feed.

**Withdrawal period**
Not Meat: 5 days, with the exception of calves: 12 days.
Eggs: do not use.

**Shelf-life period**
3 years.

**Storage**
Store in a cool, dry and dark place.

**Supply**
Box of 25 kg.

LICENSE NUMBER: 0707– ESP (AEM SPAIN)
**Tilosul**

**Tylosin Injectable Solution**

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
Tylosin base 200 mg

**Indications**
Indicated for infections associated with microorganism sensible to Tylosin:
- **Bovine:** respiratory disease caused by *Pasteurella multocida* and *Mannheimia haemolytica*.
- **Porcine:** treatment of pneumonia caused by *Pasteurella multocida* and arthritis caused by *Mycoplasma hyosinoviae*.

**Administration Route**
Intramuscular injection.

**Dosage and administration**
- **Porcine:** 10-20 mg of tylosin/kg. body weight/day (equivalent to 0,5-1 ml for every 10 kg of body weight) for 5 consecutive days.
- **Bovine:** 10-20 mg of tylosin/kg. body weight/day (equivalent to 0,5-1 ml for every 10 kg of body weight) for 5 consecutive days.

**Withdrawal period**
- **Bovine:** Meat: 23 days. Milk: Not authorized in animals producing milk for human consumption.
- **Porcine:** Meat: 16 days.

**Shelf-life period**
2 years.

**Storage**
Store in a cool and dark place.

**Supply**
Vials of 100 and 250 ml.

LICENSE NUMBER: 0345 – ESP (AEM SPAIN)
Vit-ADE

Injectable Vitamin A+D+E

Pharmaceutical Form
Injectable solution.

Composition per ml
Vitamin A 37,500 I.U.
Cholecalciferol (vitamin D₃) 25,000 I.U.
α-Tocopherol (vitamin E) 17,50 mg

Indications
VIT-ADE is indicated for all kinds of vitamin A, D or E deficiencies as growth delay, rickets, osteomalacia, body weakness, eye alterations (conjunctivitis, xerophthalmia, night blindness, etc.). Perverted appetite (pica), tiredness, sterility, muscle dystrophia, encephalomalacia, with muscle disease, etc.

Administration Route
Intramuscular or subcutaneous injection.

Dosage and administration
Horses and adult Cattle: 4-8 ml per animal and day.
Calves and Foals: 2-4 ml per animal and day.
Pigs: 4-6 ml per animal and day.
Fattening Pigs: 2-4 ml per animal and day.
Piglets: 2 ml per animal and day.
Sheep and Goats: 2-4 ml per animal and day.
Lambs and Kids: 1-2 ml per animal and day.
Dogs and Cats: 1-2 ml per animal and day.
Repeat the treatment every day until the total relief of the symptoms.

Withdrawal period
Not required.

Shelf-life period
2 years.

Storage
In a cool, dark place.

Supply
Vials of 20 ml.

LICENSE NUMBER: 7435 – ESP (AEM SPAIN)
Vitamina A+D₃ masiva

Injectable Vitamins A+D₃

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**

<table>
<thead>
<tr>
<th>Vitamin</th>
<th>IU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin A</td>
<td>50,000</td>
</tr>
<tr>
<td>Cholecalciferol (vitamin D₃)</td>
<td>10,000</td>
</tr>
</tbody>
</table>

**Indications**
Prevention and treatment of Vitamin A and D insufficiencies, specially indicated for: retarded growth, rickets, osteomalacia, condition weakness, conjunctivitis, xerophthalmia, night blindness, xerophthalmia, eczema, and skin disease.
In females that suffers from sterility, abortion or a premature birth. During the convalescence of diseases, mainly in young animals, in order to speed up the recovery.

**Administration Route**
Intramuscular injection or oral.

**Dosage and administration**

- **Cattle and Horses:** 5-10 ml per animal and day.
- **Calves and Foals:** 2.5-5 ml per animal and day.
- **Pigs:** 2.5-5 ml per animal and day.
- **Fattening Pigs:** 2.5 ml per animal and day.
- **Piglets:** 1-2 ml per animal and day.
- **Sheep and Goats:** 2.5-4 ml per animal and day.
- **Lambs and Kids:** 1 ml per animal and day.
- **Dogs and Cats:** 1-2 ml per day per animal and day.
Repeat a daily administration until the total relief of the symptoms.

**Withdrawal period**
Not required.

**Shelf-life period**
2 years.

**Storage**
In a cool, dark place.

**Supply**
Vials of 20 and 100 ml.

LICENSE NUMBER: 7045 – ESP (AEM SPAIN)
Zoomectin
Injectable ivermectin

**Pharmaceutical Form**
Injectable solution.

**Composition per ml**
Ivermectin 10 mg

**Indications**
**Bovine:** gastrointestinal Round Worms, Lungworms, Cattle Grubs, Suckling Lice and Mites.
**Ovine:** gastrointestinal Round Worms, Lungworms, Nasal Bots and Mites.
**Swine:** gastrointestinal Round Worms, Lungworms, Mange bites and Lice.

**Administration Route**
Subcutaneous injection.

**Dosage and administration**
**Bovine:** 1 ml of ZOOmECTIN per 50 kg. of body weight.
**Ovine:** 0,5 ml of ZOOmECTIN per 25 kg. of body weight.
**Porcine:** 1 ml of ZOOmECTIN per 33 kg. of body weight.

**Withdrawal period**
Meat: 28 days.
Milk: do not use in dairy cows whose milk is for human consumption.

**Shelf-life period**
3 years.

**Storage**
Store in a cool place (below 25ºC) and protected from light.

**Supply**
Vials of 50 ml, 100 ml and 250 ml.

LICENSE NUMBER: SAGARPA (MEXICO) NO. Q-7025-036