

# **BIOTECH**

ANIMAL HEALTH SOLUTIONS

**Your Trusted Partners in Animal  
wellbeing and growth solutions  
BIOTECH MALAYSIA**

## **INJECTIONS 2022**



## TOWELCOME TO BIOTEC

BIOTEC was established in Malaysia to serve farms with bionatural health remedies and growth solutions.

It is main focus is to assist animal care takers in their work and help them promote better production circumstances both for animals and business owners.

Having the experience in this domain for the past 10 years, we believe our solutions are effective and the feedback we receive from farmers are heart warming.

## ABOUT US

- BioTech Malaysia is a well brand in the world of animal wellbeing and growth.
- This is because of the technology-driven culture of providing our solutions to the world.
- Our partnerships with leading producers of poultry and livestock allow us to explore new challenges, therefore use best technologies to solve it.





# BUSINESS PRINCIPLES

Being in the market of animal nutrition and health control, we have gained tremendous trust and great reputation among distributors.

We give highest priority during work at BIOTEC to make sure we do best products in best quality and reach our customers through best partners.



## BEST QUALITY

Many things could convince customers in business, but what sustain is quality. We make sure our products are top quality.



## BEST PARTNERSHIP

Business partners bring more success both for themselves and to us. We always look for new reliable business partners.



## BEST PRODUCTS

Market has new challenges, and so we provide new products, Our principle is to provide best scientific products to the market.





# QUALITY ASSURANCE

At BIOTEC, we maintain a world class quality assurance system to make sure every step in our business from procurement of raw materials until shipping and handling are done in the most appropriate and efficient way possible. Working with BIOTEC is both profitable and hassle-free.



## RAW MATERIALS

Using raw materials from world-leading sources.



## MANUFACTURING

Performing international production practices.



## PACKING & HANDLING

Using best packing materials for quality persistence.



# BIOTEC TODAY

BIOTECH is constantly moving towards the trend in the market of veterinary and animal health care.

New products are being prepared to face the continuous battle with infections and outbreaks in farms.

Our partners in this journey are farmers and mega production companies in the world.





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# INJECTIONS

- Health Support
- Treatment Solutions
- Nutrition And Productivity



**BIOTEC**  
A caring way every day.





# 3 IN ONE

**FLORFENICOL  
OXYTETRACYCLINE HCL  
DEXAMETHASONE**

## COMPOSITION

Contains per ml:

Florfenicol	10 mg
Oxytetracycline HCL	5 mg
Dexamethasone	1 mg

## DESCRIPTION

The combination is specifically formulated to provide initial anti-inflammatory activity. Oxytetracycline is a member of the tetracycline family of broad-spectrum bacteriostatic antibiotics that inhibit protein synthesis in susceptible microorganisms. Florfenicol is a synthetic broad-spectrum antibiotic effective against most Gram-positive and Gram-negative bacteria isolated from domestic animals, DEXAMETHASONE is a relatively potent anti-inflammatory properties.

## INDICATIONS

Commonly used in veterinary medicine to treat animals infected with gram-negative and gram-positive bacteria, rickettsiae, mycoplasma, and chlamydiae. For the treatment and prevention of inflammation with infection. The addition of dexamethasone promotes anti-inflammatory, antiallergic, anti-stress and gluconeogenic effects For use in dogs for the treatment of inflammatory conditions, as supportive therapy in canine posterior paresis, as supportive therapy before or after surgery to enhance recovery of poor surgical risks, and as supportive therapy in nonspecific dermatosis. For treatment of bovine respiratory disease .



## DOSAGE AND ADMINISTRATION

Apply through intramuscular, subcutaneous and slow intravenous route.  
Cattle, horse, swine, camelid, sheep and goat: 1mL/20-40 kg;  
dogs, cats and rabbits: 1mL/5 kg; poultry: 0.5 mL/kg.  
Or as advised by veterinarian.

## WITHDRAWAL TIME

- For meat : 7 days.
- For milk : 5 days.

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# AD3E FORTE

**VITAMIN A  
VITAMIN D3  
VITAMIN E**

## COMPOSITION

Contains per ml:

Vitamin A	300,000 IU
Vitamin D3	100,000 IU
Vitamin E	50 mg

## DESCRIPTION

Vitamin A plays an important role in the protection of the epithelial tissues (including retina and skin) and the mucous membranes and therefore as a protection against general infections (deficiency symptoms are hyperkeratosis of skin, xerophthalmia, blindness, nervous symptoms, decreased growth rates and lowered fertility). Vitamin D3 takes care of the regular process of the Calcium-Phosphorous metabolism.

## INDICATIONS

Is indicated for treatment and prevention of deficiencies of the vitamins A, D3 and/or E, in connection with general bacterial infections, growth disturbances, non-infectious reproductive and sight disturbances, enteritis, rachitis (rickets), convalescence and skin problems.

## DOSAGE AND ADMINISTRATION

For intramuscular injection.

- Horses : 5 ml per animal.
- Foals : 1.5 ml per animal.
- Cattle : 5 ml per animal.
- Calves (75 – 45 kg) : 1.5 ml per animal.
- Calves (<45 kg) : 1 ml per animal.
- Sheep, goats : 1 ml per animal.
- Pigs (110 – 50 kg) : 1.5 ml per animal.
- Piglets (50 – 10 kg) : 0.5 ml per animal.
- Sows (lactating), boars : 2.5 – 2 ml per animal.

Repeat treatment only on advice of your veterinarian.  
Or as advised by veterinarian.

## WITHDRAWAL TIME

None.



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# ANALGITEC ANALGIN

## COMPOSITION

Contains per ml:  
Analgin 500 mg

## DESCRIPTION

Analgin has central analgesic action. It increases blood supply to striped muscles which is therapeutically desirable. It is used for relief of pain in chronic arthritis, rheumatic conditions of muscles and joints.

## INDICATIONS

Catarrhal-spasmodic colic, meteorism and intestinal constipation in horses; spasms of the uterine cervix during birth; pains of urinary and biliary origin; neuralgia and nevritis; acute gastric dilatation, accompanied by severe colic attacks, for allaying the irritability of the animals and preparing them for stomach lavage in horses; esophageal obstruction; joint and muscular rheumatism; for preparation of surgical and obstetrical interventions.

## DOSAGE AND ADMINISTRATION

INTRamuscularly, intravenously, subcutaneously or intraperitoneally.

DOSAGE Average dose 10 - 20 mg/kg b.w.

Intramuscularly and subcutaneously:

- For large ruminants: 20 - 40 ml
- For horses: 20 - 60 ml
- For small ruminants and pigs: 2 - 10 ml !For dogs: 1 - 5 ml
- For cats: 0.5 - 2 ml

Intravenously (slowly), intraperitoneally:

- For large ruminants and horses: 10 - 20 ml
- For small ruminants: 5 ml !For pigs: 10 - 30 ml
- For dogs: 1 - 5 ml !For cats: 0.5 - 2 ml

The injection of Analgin may be repeated at the same dose. Or as advised by veterinarian.

## WITHDRAWAL PERIOD

For meat - 12 days after the last administration of the preparation. For milk - 4 days after the last administration of the preparation.

In race-horses a withholding period of 5 days is recommended before the race.

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# BIOCIN30 TILMICOSIN

## COMPOSITION

Contains per ml:  
Tilmicosin 300 mg

## DESCRIPTION

Tilmicosin is a broad-spectrum semi-synthetic bactericidal macrolide antibiotic synthesized from tylosin.

It has an antibacterial spectrum that is predominantly effective against Mycoplasma, Pasteurella and Haemophilus spp. and various Gram-positive organisms such as Staphylococcus spp.

It is believed to affect bacterial protein synthesis. Cross-resistance between tilmicosin and other macrolide antibiotics has been observed. Following subcutaneous injection, tilmicosin is excreted mainly via the bile into the faeces, with a small proportion being excreted via the urine.

## INDICATIONS

Tilmicosin 300 mg is indicated for the treatment of respiratory infections in cattle and sheep associated with Mannheimia haemolytica, Pasteurella spp. and other tilmicosin-susceptible micro-organisms, and for the treatment of ovine mastitis associated with Staphylococcus aureus and Mycoplasma spp.

Additional indications include the treatment of interdigital necrobacillosis in cattle (bovine pododermatitis, foul in the foot) and foot rot.

## DOSAGE AND ADMINISTRATION

For subcutaneous injection:

Cattle: pneumonia : 1 ml per 30 kg body weight (10 mg/kg).

Cattle: interdigital necrobacillosis : 0.5 ml per 30 kg body weight (5 mg/kg).

Sheep: pneumonia and mastitis : 1 ml per 30 kg body weight (10 mg/kg).

Sheep: footrot : 0.5 ml per 30 kg body weight (5 mg/kg).

Or as advised by veterinarian.

## WITHDRAWAL TIMES

- For meat:
  - Cattle : 60 days.
  - Sheep : 42 days.
- For milk:
  - Sheep : 15 days.

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INJECTION



INJECTION



# BIO DOX DOXYCYCLINE

## COMPOSITION

Contains per ml:  
Doxycycline 100 mg

## DESCRIPTION

Doxycycline (DOX), tetracycline of second generation, is mainly active against Gram- positive and Gram-negative bacteria, aerobic and anaerobic, it is frequently used for the colibacillosis treatment, salmonellosis, staphylococcal infections, avian mycoplasmosis and chlamydia.

## INDICATIONS

Doxycycline is most commonly used to treat toxoplasmosis, leptospirosis, Rocky Mountain spotted fever, psittacosis, mycoplasma, and Lyme disease. It may also be used in the treatment of certain upper respiratory infections and in cases of penicillin-resistant Staph intermedius (MRSI) in animals. Doxycycline Hyclate Injection provides broad antibacterial protection against a wide variety of infectious agents by inhibiting bacterial protein synthesis.

## DOSAGE AND ADMINISTRATION

Cattle, sheep, goats, camelids and swine: 1 mL/10-20 Kg,  
Dogs and cats: 1 mL/4-8 Kg, intramuscular,  
subcutaneous or intramuscular route;  
Or as advised by veterinarian.

## WITHDRAWAL TIME

- For meat : 12 days.
- For milk : 5 days.



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# BIO FLOR FLORFENICOL

## COMPOSITION

Contains per ml:  
Florfenicol 300 mg

## DESCRIPTION

Florfenicol is a synthetic broad-spectrum antibiotic effective against most Gram-positive and Gram-negative bacteria isolated from domestic animals. Florfenicol acts by inhibiting protein synthesis at the ribosomal level and is bacteriostatic.

Laboratory tests have shown that florfenicol is active against the most commonly isolated bacterial pathogens involved in bovine respiratory disease which include Mannheimia haemolytica, Pasteurella multocida, Histophilus somni and Arcanobacterium pyogenes, and against the bacterial pathogens most commonly isolated in respiratory diseases in pigs, including Actinobacillus pleuropneumoniae and Pasteurella multocida.

## INDICATIONS

Florfenicol is indicated for preventive and therapeutic treatment of respiratory tract infections in cattle due to Mannheimia haemolytica, Pasteurella multocida and Histophilus somni. The presence of the disease in the herd should be established before preventive treatment. It is additionally indicated for treatment of acute outbreaks of respiratory disease in pigs caused by strains of Actinobacillus pleuropneumoniae and Pasteurella multocida susceptible to florfenicol.

## DOSAGE AND ADMINISTRATION

For subcutaneous or intramuscular injection.

Cattle: Treatment (IM) : 1 ml per 15 kg body weight, twice at a 48-h interval. Treatment (SC) : 2 ml per 15 kg body weight, administered once.

Prevention (SC) : 2 ml per 15 kg body weight, administered once.

The injection should only be given in the neck.

The dose should not exceed 10 ml per injection site.

Swine : 1 ml per 20 kg body weight (IM), twice at a 48-hour interval. Or as advised by veterinarian.

Note: Florfenicol is not for use in cattle producing milk for human consumption.

## WITHDRAWAL PERIOD

For meat: Cattle : 30 days (IM route).  
44 days (SC route). Swine : 18 days.



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# BIO MECTIN IVERMECTIN

## COMPOSITION

Contains per ml:  
Ivermectin 20 mg

## DESCRIPTION

Ivermectin is an injectable parasiticide for cattle and swine. One low-volume dose effectively treats and controls the following internal and external parasites that may impair the health of cattle and swine: gastrointestinal roundworms (including inhibited *Ostertagia* in cattle), lungworms, grubs, sucking lice, and mange mites of cattle; and gastrointestinal roundworms, lungworms, lice, and mange mites of swine.

## INDICATIONS

Specifying the target species Ivermectin Injection is indicated for the effective treatment and control of the following harmful parasites of cattle and pigs: Cattle: Gastro-intestinal roundworms (adult and fourth stage larvae).



## DOSAGE AND ADMINISTRATION

Cattle, sheep and goats : 1 ml per 100 kg bodyweight  
Pigs 1 ml per 33-66 kg bodyweight  
Or as advised by veterinarian.  
Replace with a fresh sterile needle after every 10 to 12 animals.  
Injection of wet or dirty animals is not recommended.  
If using a single dose hypodermic syringe, use a separate sterile needle to withdraw Ivermectin Injection from the container.

## Withdrawal period

- For meat  
Calves, cattle, goats and sheep : 28 days.  
Swine : 21 days.

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# BIO MOX15LA AMOXICILLIN

## COMPOSITION

Contains per ml:  
Amoxicillin 150 mg

## DESCRIPTION

Amoxicillin is a semisynthetic broad-spectrum penicillin with a bactericidal action against both Gram-positive and Gram-negative bacteria. The range of effect includes *Campylobacter*, *Clostridium*, *Corynebacterium*, *E. coli*, *Erysipelothrix*, *Haemophilus*, *Pasteurella*, *Salmonella*, penicillinase negative *Staphylococcus* and *Streptococcus* spp. The bactericidal action is due to inhibition of cell wall synthesis. Amoxicillin is mainly excreted in urine. A major part can also be excreted in bile.

## INDICATIONS

Gastrointestinal, respiratory and urinary tract infections caused by amoxicillin sensitive micro-organisms, like *Campylobacter*, *Clostridium*, *Corynebacterium*, *E. coli*, *Erysipelothrix*, *Haemophilus*, *Pasteurella*, *Salmonella*, penicillinase negative *Staphylococcus* and *Streptococcus* spp. in calves, cattle, goats, sheep and swine.

## DOSAGE AND ADMINISTRATION

For intramuscular administration:  
General: 1 ml per 10 kg body weight, repeatable if necessary after 48 hours. Large Animals: 10 – 20 mg/ Kg. Body.wt (10 -15 ml / 300 Kg Cow, Buffalo) Small Animals: 0.5 – 2 mg/Kg Body wt. (0.5 - 2 ml – Total Dose) Shake well before use and do not administer more than 20 ml in cattle, more than 10 ml in swine and more than 5 ml in calves, sheep and goats per injection site.  
Or as advised by veterinarian.

## WITHDRAWAL TIMES

For meat : 21 days.  
For milk : 3 days.  
Not for use in sheep and goats producing milk for human consumption.



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# BIOX20 LA OXYTETRACYCLINE

## COMPOSITION

Contains per ml:  
Oxytetracycline 200 mg

## DESCRIPTION

Oxytetracycline is a broad-spectrum antibiotic, with bacteriostatic action against a large number of Gram-positive and Gram-negative organisms (like Streptococci, Staphylococci, Pasteurella spp., Brucella spp., Corynebacteria spp., Erysipelothrix, Coliforms, Salmonella), Rickettsiae, Mycoplasmas, Chlamydia and some protozoa.

Activity against Pseudomonas, Proteus- and Klebsiella spp. is low.

Applied parenterally, oxytetracycline quickly penetrates the blood and tissues.

The advanced effect of this preparation is the extremely long therapeutic effect.

Oxytetracycline acts synergistic with polymyxin.

## INDICATIONS

BIOX20 LA is effective against infections caused by micro-organisms susceptible to oxytetracycline, like infections of the respiratory tract (pneumonia, bronchopneumonia), infections of the urinary tract, foot rot and Bedsoniasis in sheep.

Dysentery, shipping fever, gastro-enteritis, Mycoplasmosis, (endo) metritis, mastitis, Salmonellosis and liver abscesses in cattle, pigs, sheep and goats.

## DOSAGE AND ADMINISTRATION

For deep intramuscular injection.

Cattle, pigs, sheep and goats : 1 ml per 10 kg bodyweight (20 mg per kg bodyweight).

A single dose is recommended, due to its long action of at least 3 days.

No more than 20 ml in cattle, 10 ml in pigs or 5 ml in sheep and goats should be injected into a single site.

In piglets weighing less than 10 kg a 1 ml dose should be used.

Or as advised by veterinarian.

## WITHDRAWAL PERIOD

Meat : 28 days  
Milk : 7 days

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# BIOX30 LA OXYTETRACYCLINE

## COMPOSITION

Contains per ml:  
Oxytetracycline 300 mg

## DESCRIPTION

Oxytetracycline 300 mg Injection is a sterile, ready to use solution of the broad-spectrum antibiotic oxytetracycline dihydrate. Oxytetracycline is an antimicrobial agent that is effective in treatment of a wide range of diseases caused by susceptible gram-positive and gram-negative bacteria.

## INDICATIONS

Oxytetracycline is intended for use in treatment for the following diseases when due to oxytetracycline susceptible organisms: Oxytetracycline 300 mg is recommended for the control of respiratory disease in cattle at high risk of developing BRD associated with Mannheimia (Pasteurella) haemolytica. Beef cattle, non-lactating dairy cattle, calves, including pre-ruminating (veal) calves: Oxytetracycline 300 mg is indicated in the treatment of pneumonia and shipping fever complex associated with Pasteurella spp., and Histophilus spp. Oxytetracycline 300 mg is indicated for the treatment of infectious bovine keratoconjunctivitis (pink eye) caused by Moraxella bovis, foot-rot and diphtheria caused by Fusobacterium necrophorum; bacterial enteritis (scours) caused by Escherichia coli; wooden tongue caused by Actinobacillus lignieresii; leptospirosis caused by Leptospira pomona; and wound infections and acute metritis caused by strains of staphylococcal and streptococcal organisms sensitive to oxytetracycline. Also, it is indicated for the control of respiratory disease in cattle at high risk of developing BRD associated with Mannheimia (Pasteurella) haemolytica.

## DOSAGE AND ADMINISTRATION

For intramuscular administration:

General: 1 ml per 20 kg body weight.

This dosage can be repeated after 48 hours when necessary.

Do not administer more than 20 ml in cattle, more than 10 ml in swine and more than 5 ml in calves, goats and sheep per injection site.

Or as advised by veterinarian.

## WITHDRAWAL PERIOD

Meat : 28 days  
Milk : 7 days

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INJECTION



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# DEXATEC DEXAMETHASONE

## COMPOSITION

Contains per ml:  
Dexamethasone 2 mg

## DESCRIPTION

As supportive therapy, Dexamethason may be used in the management of various rheumatic, allergic, dermatologic, and other diseases known to be responsive to anti-inflammatory corticosteroids. Dexamethasone may be used intravenously as supportive therapy when an immediate hormonal response is required.

## INDICATIONS

Dexamethasone is indicated for the treatment of primary bovine ketosis and as an anti-inflammatory agent in the bovine and equine.

Bovine Ketosis - Dexamethasone is offered for the treatment of primary ketosis.

The glucogenic effects of Dexamethasone, when administered intramuscularly, are generally noted within the first 6 to 12 hours.

## DOSAGE AND ADMINISTRATION

The product may be administered by intravenous or intramuscular injection in horses, and by intramuscular injection in cattle, pigs, dogs and cats. The product may also be given by intra-articular injection in horses. Species Dosage Horses, cattle, pigs 0.06 mg/kg body weight corresponding to 1.5 ml/50 kg

Dogs, cats 0.1 mg/kg body weight corresponding to 0.5 ml/10 kg  
For the treatment of primary ketosis in cattle (acetonemia) 0.02 to 0.04 mg/kg body weight corresponding to a dose of 5-10 ml per 500 kg BW given by intramuscular.

For the induction of parturition - to avoid foetal oversize and mammary oedema in cattle.

A single intramuscular injection of 0.04 mg/kg body weight corresponding to 10 ml per 500 kg BW after day 260 of pregnancy. Parturition will normally occur within 48-72 hours.

For the treatment of arthritis, bursitis or tenosynovitis by intra-articular injection in the horse. Dose 1 - 5 ml. These quantities are not specific and are quoted purely as a guide.

Injections into joint spaces or bursae should be preceded by the removal of an equivalent volume of synovial fluid.

Strict asepsis is essential.

Or as advised by veterinarian

## WITHDRAWAL PERIOD

Cattle: Meat and offal: 8 days Milk: 72 hours

Pigs: Meat and offal: 2 days

Horses: Meat and offal: 8 days



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# ENROTEC10 ENROFLOXACIN

## COMPOSITION

Contains per ml:  
Enrofloxacin 100 mg

## DESCRIPTION

Enrofloxacin belongs to the group of quinolones and acts bactericidal against mainly Gram Negative bacteria like Campylobacter, E. coli, Haemophilus, Pasteurella, Mycoplasma and Salmonella spp.

## INDICATIONS

Gastrointestinal and respiratory infections caused by enrofloxacin sensitive micro-organisms, like Campylobacter, E. coli, Haemophilus, Mycoplasma, Pasteurella and Salmonella spp. in calves, cattle, sheep, goats and swine.

## DOSAGE AND ADMINISTRATION

For intramuscular or subcutaneous administration:

Calves, cattle, sheep and goats :

1 ml per 20 - 40 kg body weight for 3 - 5 days

Swine : 1 ml per 20 - 40 kg body weight for 3 - 5 days.

Or as advised by veterinarian.

## WITHDRAWAL TIMES

- For meat:

Calves, cattle, sheep and goats: 21 days.

Swine: 14 days.

- For milk: 4 days.



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# GENTCOL GENTAMYCIN COLISTIN SULFATE

## COMPOSITION

Contains per ml:  
Gentamycin (as sulphate) 60 mg  
Colistin Sulfate 400000 IU

## DESCRIPTION

The combination of Colistin and gentamicin acts synergistically against a wide range of infections caused by both Gram-positive (e.g. Staphylococcus, Streptococcus and Corynebacterium spp.) and Gram-negative (e.g. E.coli, Pasteurella, Salmonella and Pseudomonas spp.) bacteria in cattle and swine. Colistin is an antibiotic from the group of polymyxins with a bactericidal action against Gram-negative bacteria like E. coli, Haemophilus and Salmonella spp. Gentamycin belongs to the group of aminoglycosides and acts bactericidal against mainly Gram-negative bacteria like E. coli, Klebsiella, Pasteurella and Salmonella spp. The bactericidal action is based on inhibition of bacterial protein synthesis.

## INDICATIONS

For gastrointestinal, respiratory and intramammary infections caused by bacteria sensitive to the combination of Colistin and gentamicin, such as pneumonia, diarrhoea, bacterial enteritis, mastitis, metritis and cutaneous abscesses.



## DOSAGE AND ADMINISTRATION

For intramuscular administration.  
General dosage:  
1 ml per 10 kg body weight per day for 3 days.  
Cattle: 30 - 40 ml per animal per day for 3 days.  
Calves: 10 - 15 ml per animal per day for 3 days.  
Or as advised by veterinarian.

## WITHDRAWAL TIMES

For meat: 30 days.  
For milk: 2 days.

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# GENTEC10 GENTAMYCIN

## COMPOSITION

Contains per ml:  
Gentamycin 100 mg

## DESCRIPTION

Gentamycin belongs to the group of aminoglycosides and acts bactericidal against mainly Gram-negative bacteria like E. coli, Klebsiella, Pasteurella and Salmonella spp. The bactericidal action is based on inhibition of bacterial protein synthesis.

## INDICATIONS

Gentamycin is effective in the treatment of infections caused by micro-organisms, susceptible to gentamycin, occurring in urogenital, respiratory, skin, tissue, and gastrointestinal infections.

## DOSAGE AND ADMINISTRATION

For intramuscular administration:  
General: Twice daily 1 ml per 20 - 40 kg body weight for 3 days.  
Or as advised by veterinarian.

## WITHDRAWAL TIMES

- For kidneys : 45 days.
- For meat : 7 days.
- For milk : 3 days.



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# GENTOSIN GENTAMYCIN TYLOSIN

## COMPOSITION

Contains per ml:  
Gentamycin (as sulfate) 40 mg  
Tylosin (as tartrate) 40 mg

## DESCRIPTION

Gentamycin is a broad spectrum bactericidal antibiotic of the aminoglycoside group active against the most important gram positive and gram negative microorganisms. Tylosin is a macrolide antibiotic with a bacteriostatic action against Gram-positive and Gram-negative bacteria.

## INDICATIONS

Indicated for cattle, cats, dogs and horses, pulmonary, and other soft tissue infection with septicemia used in digestive and urogenital infections, for the treatment and prevention of infections caused by tylosin and/or gentamicin sensitive microorganisms. Respiratory infections (pneumonia, bronchopneumonia), mastitis, footrot, erysipelas, endometritis, arthritis, gastrointestinal infections in general.

## DOSAGE AND ADMINISTRATION

Large animals: 1 mL/15 kg of b.w. every 24 hours for 3 consecutive days by deep intramuscular route.  
poultry: 1 mL/6 kg of b.w.  
Apply through subcutaneous or intramuscular route.  
Or as advised by veterinarian.

## WITHDRAWAL TIMES

- For meat : 10 days.
- For milk : 3 days.



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# IROVIT IRON DEXTRAN VITAMIN B12

## COMPOSITION

Contains per ml:  
Iron dextran 200 mg  
Vitamin B12 200 mg

## DESCRIPTION

Iron dextran is used for prophylactic and treatment of iron deficiency caused anemia in piglets and calves. Parenteral administration of iron has the advantage that the necessary amount of iron can be administered in one single dosage. Cyanocobalamin is used for prophylactic and treatment of cyanocobalamin deficiency caused anaemia.

## INDICATIONS

Prophylaxis and treatment of anaemia in calves and piglets. Iron Dextran + Vitamin B12 Injection is intended for the prevention or treatment of iron deficiency anemia in newborn piglets and calves, and for pregnant and lactating animals. Within the first few days after a pig is born, it is common for iron deficiency anemia to occur.

## DOSAGE AND ADMINISTRATION

For intramuscular or subcutaneous administration:  
Large Animals: 10 - 20 mg/ Kg. Body.wt (10 -15 ml / 300 Kg Cow, Buffalo)  
Small Animals: 0.5 - 2 mg/Kg Body wt. ( 0.5 - 2 ml - Total Dose)  
Calves: 2 - 4 ml subcutaneous, in the first week after birth.  
Piglets: 1 ml intramuscular, 3 days after birth.  
Or as advised by veterinarian.

## WITHDRAWAL TIMES

None.



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# OLIGOTEC VITAMINS AND AMINOACIDS

## COMPOSITION

Contains per ml:

Vitamin A (15,000 I.U.), Vitamin D3 (1,000 I.U.), Vitamin E (20 mg), Vitamin B1 (10 mg), Vitamin B2 (5 mg), Vitamin B6 (3 mg), Nicotinamide (35 mg), Dexpantenol (25 mg), Vitamin B12 (50 mcg), Manganese sulphate (0.1 mg), Zinc sulphate (0.1 mg), Copper sulphate (0.1 mg), Cobalt sulphate (0.1 mg), Folic acid (0.01 mg), Methionine (5.0 mg), Lysine (5.0 mg).

## DESCRIPTION

For treatment and prevention of vitamin deficiencies e.g. growth disturbances, weakness of newborn, sight disturbances, intestinal disturbances, reproductive disturbances, muscular tremor, recovery from infections and parasitic infestations and poor general conditions.

## INDICATIONS

Is a well-balanced combination of vitamins, amino acids and minerals for calves, cattle, goats, sheep, swine, horses, cats and dogs.

is used for:

- Prevention or treatment of vitamins deficiencies in farm animals.
- Prevention or treatment of stress (caused by vaccination, diseases, transport, high humidity, high temperatures or extreme temperature changes).
- Improvement of feed conversion.

For low body growth rates, reproduction disabilities, intestinal weaknesses, sight and vision issues, lack of strength of new born, weak immune system, inability to recover from diseases and infections and muscular weakness and excessive fatigue.



## DOSAGE AND ADMINISTRATION

For intramuscular or subcutaneous administration:

Cattle and horses : 10 ml.

Calves and foals : 5 ml.

Goats and sheep : 3 ml.

Swine : 5 - 8 ml.

Dogs : 1 - 5 ml.

Piglets : 1 - 3 ml.

Cats : 1 - 2 ml.

Or as advised by veterinarian.

## WITHDRAWAL TIMES

None.

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# PENSTROTEC PROCAINE PENICILLIN BENZATHINE PENICILLIN DIHYDROSTREPTOMYCIN SULPHATE

## COMPOSITION

Contains per ml:

Procaine penicillin G 100,000 I.U.

Benzathine penicillin G 100,000 I.U.

Dihydrostreptomycin sulphate 200 mg

## DESCRIPTION

For arthritis, mastitis, respiratory, gastrointestinal & urinary tract Infection. Procaine penicillin G's fast action is enhanced with the long-acting properties of benzathine penicillin G, which is active for 5 days.

The spectrum of activity is widened by the dihydrostreptomycin sulphate.

## INDICATIONS

indicated for treatment of infections caused by bacteria sensitive to the antibiotic's combination present in cattle, sheep, goats, pigs, dogs and cats.

In cattle, is indicated for the treatment of pneumonic pasteurellosis, septicaemia, metritis, leptospirosis and reticulo-peritonitis.

In swine, is indicated for the treatment of septicaemia, MMA syndrome, erysipelas and leptospirosis. In sheep and goats, is indicated to treat arthritis and septicaemia.

## DOSAGE AND ADMINISTRATION

For intramuscular injection only.

General dose : 1 ml per 10 kg bodyweight.

Can be repeated after 48 hours.

Or as advised by veterinarian.

## WITHDRAWAL PERIOD

Meat: 30 days

Milk : 5 days



INJECTION

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**BIOTEC**  
ANIMAL HEALTH SOLUTIONS



# SLFATEC

**SULFADOXINE  
TRIMETHOPRIM**

## COMPOSITION

Contains per ml:  
Sulfadoxine 400 mg  
Trimethoprim 80 mg

## DESCRIPTION

For treatment of infections caused by, or associated with, organisms sensitive to the trimethoprim-sulfadiazine combination.

Target species;Horse, cattle, pig, goat, cat, guinea pig.

## INDICATIONS

For the treatment of infectious diseases in the early stage of infection, caused by bacteria sensitive to sulfadoxine and trimethoprim.

Primary and secondary infections

- of the respiratory tract,
- of the gastro-intestinal tract,
- of the urinary and genital tract, and the joints.



## DOSAGE AND ADMINISTRATION

Intramuscular administration:

General: 1 ml per 10 - 15 kg body weight for 3 - 5 days.

## WITHDRAWAL PERIODS

- For meat : 10 days.
- For milk : 3 days.

**INJECTION**

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**BIOTEC**  
ANIMAL HEALTH SOLUTIONS

# TYLOTEC20

**TYLOSIN**

## COMPOSITION

Contains per ml:  
Tylosin 200 mg

## DESCRIPTION

Tylosin is a macrolide antibiotic with a bacteriostatic action against Gram-positive and Gram-negative bacteria like Campylobacter, Mycoplasma, Pasteurella, Staphylococcus, Streptococcus and Treponema spp.

## INDICATIONS

Gastrointestinal and respiratory infections caused by tylosin sensitive micro-organisms, like Campylobacter, Mycoplasma, Pasteurella, Staphylococcus, Streptococcus and Treponema spp. in calves, cattle, goats, sheep and swine.

## DOSAGE AND ADMINISTRATION

For intramuscular administration:

General: 1 ml per 10 - 20 kg body weight for 3 - 5 days.

Or as advised by veterinarian.

## WITHDRAWAL TIMES

- For meat : 10 days.
- For milk : 3 days.



**INJECTION**

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**BIOTEC**  
ANIMAL HEALTH SOLUTIONS



# TYLOTEC30 TYLOSIN

## COMPOSITION

Contains per ml:  
Tylosin 300 mg

## DESCRIPTION

Tylosin is a macrolide antibiotic with a bacteriostatic action against Gram-positive and Gram-negative bacteria like Campylobacter, Mycoplasma, Pasteurella, Staphylococcus, Streptococcus and Treponema spp. It is primarily used in Cattle, Sheep, Goat, Horses, cats, dogs, and small mammals to treat diarrhea and inflammation of the gastrointestinal tract.

## INDICATIONS

TYLOTEC30

is effective against infections caused by micro-organisms susceptible to tylosin, like respiratory infections in cattle, sheep, goats, pigs, dogs and cats; dysentery Doyle in pigs; dysentery and arthritis caused by Mycoplasmas, mastitis and endometritis in cattle, sheep, goats and pigs.



## DOSAGE AND ADMINISTRATION

For intramuscular or subcutaneous injection:

Cattle – pneumonia : 1 ml per 30 kg body weight (10 mg/kg).  
Cattle – interdigital necrobacillosis : 0.5 ml per 30 kg body weight (5 mg/kg).

Sheep – pneumonia and mastitis : 1 ml per 30 kg body weight (10 mg/kg).

Sheep – footrot : 0.5 ml per 30 kg body weight (5 mg/kg).

Or as advised by veterinarian.

## WITHDRAWAL TIMES

- For meat : 10 days.
- For milk : 3 days.

INJECTION

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**BIOTEC**  
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# VITAPHOS12 VITAMIN B12, BUTAPHOSPHAN

## COMPOSITION

Contains per ml:

Butaphosphan (100mg)

Vitamin B12 (50mcg)

Methyl hydroxybenzoate (0.1% w/V) and water for injection Q.S.

## DESCRIPTION

Butaphosphan is an organic alpha-phosphorus acid, with metabolic stimulant and tonic characteristics. Vitamin B12 plays a beneficial role in many metabolic reactions especially under stress conditions. Vitamin B12 activates the glucose, protein and fat metabolism. VITAPHOS 12 has a stimulating effect on appetite and growth.

## INDICATIONS

VITAPHOS 12 especially used in situations of metabolic disorders resulting from poor nutrition, inadequate management or diseases, developmental and nutritional disorders in young animals resulting from diseases during the period of growth, use VITAPHOS12 as a support of muscular physiology as an effective tonic in cases of stress, over-exertion, exhaustion and reduced resistance.

## DOSAGE AND ADMINISTRATION

For intravenous, intramuscular or subcutaneous administration.

Cattle, horses: 10 mL per animal (intravenous).

Sheep, goats: 5 mL per animal

Foal, calves : 5 – 12 ml per animal (only intravenously).

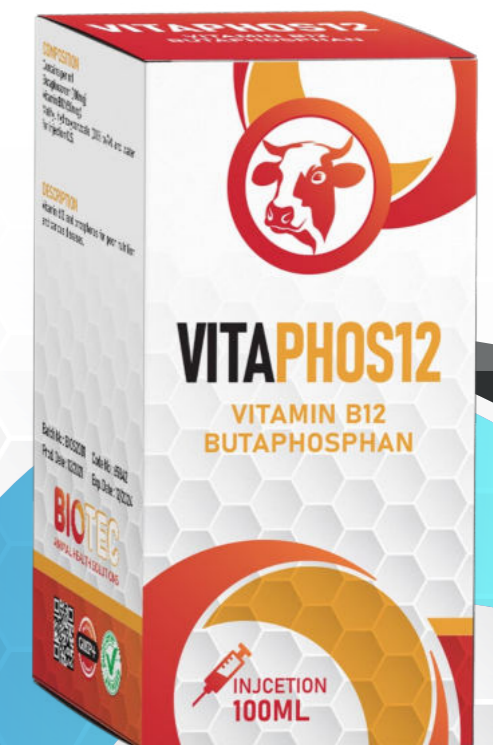
Lambs : 1.2 – 2.5 ml per animal.

Dogs : 0.25 – 5 ml per animal.

Cats, fur animals : 0.25 – 2.5 ml per animal.

## WITHDRAWAL TIME

N/A



INJECTION

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**THANK YOU**



# INJECTIONS

2022

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