

Clamoxyl™ Long Acting

150 mg/ml suspension for injection

1 ml suspension contains 150 mg amoxicillin as **Amoxicillin trihydrate** in an oily base.

Product Description: It is an off-white oily suspension.

Pharmacodynamics: Amoxicillin is a broad spectrum semi-synthetic penicillin that is bactericidal against a wide range of Gram-positive and Gram-negative pathogens.

Pharmacokinetics: After absorption, amoxicillin is widely distributed throughout body tissues, with especially high levels in the kidneys, urine, liver and bile. In respiratory infections, amoxicillin crosses inflamed pulmonary membranes into mucus. As the disease responds and associated inflammation recedes, amoxicillin levels are maintained in the mucus thus preventing recrudescence of the original infection. Amoxicillin is very rapidly bactericidal. At a concentration of 10 µg/ml *Escherichia coli* is completely lyse in only 1 hour, in vitro.

Indication: Clamoxyl is a broad-spectrum semi-synthetic penicillin which is bactericidal in vitro against a wide range of Gram-positive and Gram-negative bacteria including the following:

Gram-negative: *Actinobacillus lignieresii* ; *Bordetella bronchiseptica*, *Escherichia coli* (non beta-lactamase producing strains), *Corynebacterium* spp. ; *Fusobacterium* spp.; *Haemophilus* spp. ; *Moraxella* spp.; *Pasteurella* spp. ; *Proteus mirabilis* (non beta-lactamase producing strains); *Salmonella* spp.

Gram-positive: *Bacillus anthracis* ; *Clostridium* spp. ; *Erysipelothrix rhusiopathiae* ; *Streptococci* ; *Staphylococci* (non beta-lactamase producing strains).

Clamoxyl Long Acting Suspension for Injection is suitable for the control of infections caused by susceptible organisms in sheep, dogs and cats where prolonged activity from a single injection is required. It may also be used to control secondary bacterial invasion in conditions where bacteria are not a primary cause of disease.

Particular indications for Clamoxyl Long Acting Suspension for Injection are:

1. Alimentary tract infections, including enteritis
2. Respiratory tract infections.
3. Urogenital tract infections, including cystitis and metritis
4. Skin and soft tissue infections, including wounds, abscesses, foot infections, joint and navel ill.
5. Prevention of post-operative infections by injection prior to surgery.

Recommended Dose: The recommended dosage rate is 15 mg/kg which is equivalent to 1.0 ml/10 kg bodyweight. The dose may be repeated after 48 hours. Use a new anatomical site for repeated injections. To ensure the correct dosage, bodyweight should be determined as accurately as possible to avoid overdosing.

Dosing guide: The following table gives examples of doses for the different species.

Animal Specimen	Weight (kg)	Dose (ml)
Sheep	65	6.5
Lamb	10	1.0
Large Dog	35	3.5
Medium Dog	20	2.0
Small Dog	10	1.0
Cat	5	0.5

Shake the vial well before use. Inject by the intramuscular route, then massage the injection site. (For ease of administration in dogs and cats, needles no finer than 20 gauge should be used). If the volume to be given is greater than 5 ml (sheep) it should be divided and injected into two separate sites. The suspension is not suitable for intravenous or intrathecal administration.

Route of Administration: Clamoxyl Long Acting Suspension for Injection is intended for use via the intramuscular or subcutaneous routes in cats and dogs and via the intramuscular route only in sheep.

Contraindication: In common with all other penicillins, amoxicillin should not be used orally or parenterally in rabbits, guinea pigs, hamsters or gerbils. Caution is advised in its use in any other very small herbivores. Clamoxyl Long Acting Suspension for Injection is not suitable for intravenous injection. Although pruruminants such as lambs may be treated orally or parenterally, animals possessing a functional rumen should only be treated parenterally.

Warning and Precautions:

Do not use in animals with known sensitivity to the active substance.

Shake vial before use. The product does not contain an antimicrobial preservative. Swab the septum before removing each dose. Since amoxicillin hydrolyses rapidly in the presence of water, it is important that a dry sterile needle and syringe is used when withdrawing the suspension to avoid contaminating the remaining suspension with drops of water.

Use of the product should be based on susceptibility testing of the bacteria isolated from the animal. If this is not possible, therapy should be based on local epidemiological information.

Care should be taken to avoid accidental self-injection.

Penicillins and cephalosporins may cause hypersensitivity (allergy) following injection, inhalation, ingestion or skin contact.

Hypersensitivity to penicillins may lead to cross-reactions to cephalosporins and vice versa. Allergic reaction to these substances may occasionally be serious.

Do not handle this product if you know you are sensitised, or if you have been advised not to work with such preparations.

Handle this product with great care to avoid exposure taking all recommended precautions.

If you develop symptoms following exposure, such as a skin rash, you should seek medical advice and show the doctor this warning. Swelling of the face, lips, or eyes or difficulty with breathing are more serious symptoms and require urgent medical attention.

Do not broach more than 40 times.

Wash hands after use.

Interaction with Other Medicaments: None known.

Pregnancy and Lactation: Clamoxyl Long Acting Suspension for Injection is indicated for use in pregnancy and lactation.

Side Effects: Use of the product may occasionally result in local tissue reaction.

Overdose and Treatment: Amoxycillin is of a very low order of acute toxicity and is well tolerated by the parenteral route.

Occasional injection site reactions may occur with the recommended dose, but no other adverse side-effects are to be expected from accidental overdosing.

Incompatibilities: None known.

Storage Condition: Store below 25°C. Following withdrawal of the first dose, use the product within 28 days. Discard unused material.

Withdrawal Period:

Meat: 45 days Not to be used in sheep producing milk for human consumption.

Packaging available: 6 x 100 ml vials, 4 x 250 ml vials

Manufactured by:

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Product Registration Holder:

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