

# Amovet L.A. Injection

## (Amoxicillin)

### SUMMARY OF PRODUCT CHARACTERISTICS

#### 1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Amovet L.A. Injection

#### 2. QUALITATIVE AND QUANTITATIVE

##### COMPOSITION Active substance:

Each ml contains:

150 mg (15% w/v) Amoxicillin

(as Amoxicillin Trihydrate 17.21 %w/v),

##### Excipients:

0.08 mg (0.008% w/v) butylated hydroxytoluene

0.08 mg (0.008% w/v) butylated hydroxyanisole as antioxidants.

For a full list of excipients, see section 6.1

#### 3. PHARMACEUTICAL FORM

Suspension for injection.

An off-white oily non-aqueous suspension.

#### 4. CLINICAL PARTICULARS

##### 4.1 Target species

Cattle, Sheep, Dogs and Cats

##### 4.2 Indications for use, specifying the target species

*In vitro* Amoxicillin is effective against a wide range of Gram-positive and Gram-negative bacteria which include:

*Escherichia coli*

*Klebsiella pneumoniae*

*Proteus* species

*Salmonella* species

Staphylococci and

Streptococci

Not effective against beta-lactamase producing organisms.

Suitable for the control of infections due to susceptible microorganisms in cattle, sheep, dogs and cats where a single injection giving prolonged activity is required. It may also protect from secondary bacterial invasion due to sensitive organisms in cases where bacteria are not the initial cause of the disease.

Indications include infections of:

- (a) Alimentary tract
- (b) Respiratory tract
- (c) Skin and soft tissue
- (d) Urogenital tract and,
- (e) In prevention of post-operative infection (treat before surgery).

#### **4.3 Contraindications**

This product is not suitable for intravenous or intrathecal use

This product should not be administered to rabbits, hamsters, gerbils or guinea. Not for use in known cases of hypersensitivity to penicillins or cephalosporins.

#### **4.4 Special warnings for each target species**

No special warnings.

#### **4.5 Special precautions for use**

##### Special precautions for use in animals

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.

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

Care should be taken to avoid accidental self-injection. In the case of accidental self-injection, seek medical advice immediately.

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 reactions to these substances may occasionally be serious.

1. Do not handle this product if you know you are sensitised, or if you have been advised not to work with such preparations.
2. Handle this product with great care to avoid exposure, taking all recommended precautions.
3. If you develop symptoms following exposure such as 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.

Wash hands after use.

#### **4.6 Adverse reactions (frequency and seriousness)**

In rare cases, hypersensitivity reactions such as urticaria anaphylaxis shock can occur after use. In the case of allergic reactions, treatment should be discontinued and a symptomatic treatment should be initiated. In very rare cases, local tissue reactions such as swelling and pruritus may result from the use of amoxicillin.

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

- very common (more than 1 in 10 animals treated displaying adverse reaction(s))
- common (more than 1 but less than 10 animals in 100 animals treated)
- uncommon (more than 1 but less than 10 animals in 1,000 animals treated)
- rare (more than 1 but less than 10 animals in 10,000 animals treated)

- very rare (less than 1 animal in 10,000 animals treated, including isolated reports)

#### **4.7 Use during pregnancy, lactation or lay**

Can be safely administered during pregnancy and lactation.

#### **4.8 Interaction with other medicinal products and other forms of interaction**

It is not generally recommended to use bactericidal and bacteriostatic antibiotics at the same time.

#### **4.9 Amounts to be administered and administration route**

To ensure the correct dosage, bodyweight should be determined as accurately as possible to avoid underdosing or overdosing.

Cattle, sheep - By intramuscular injection only. Dogs and cats - By subcutaneous or intramuscular injection.

The recommended dosage rate is 15 mg per kg bodyweight, repeatable if necessary after 48 hours. Massage the injection site.

Shake the vial before use

Swab the septum before removing each dose. Use a dry sterile needle and syringe. A separate injection site should be used for each administration.

<b>Animal</b>	<b>Weight (kg)</b>	<b>Dosage volume (ml)</b>
Cattle	450 kg	45.0 ml
Sheep	65 kg	6.5 ml
Dogs	20 kg	2.0 ml
Cats	5 kg	0.5 ml

Dose volume is equivalent to 1 ml per 10 kg bodyweight. If dose volume exceeds 15 ml in cattle and 4 ml in sheep, it should be divided and injected into two or more sites. As with other injectable preparations, normal aseptic precautions should be observed as this product does not contain antimicrobial preservative.

An appropriately graduated syringe must be used to allow accurate administration of the required dose volume. This is particularly important when injecting small volumes.

If no distinct clinical response is seen after the second treatment, a check of the diagnosis and eventually a change of treatment are required.

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

Penicillins have a wide safety margin.

#### **4.11 Withdrawal period(s)**

Cattle:

Meat and offal: 39 days

Milk: 108 hours (4.5 days)

Sheep:

Meat and offal: 29 days

Milk: Not authorised for use in sheep producing milk for human consumption.

## **5. PHARMACOLOGICAL PROPERTIES**

Pharmacotherapeutic group: Antibacterial

### **5.1 Pharmacodynamic properties**

Amoxicillin predominately inhibits cell wall synthesis in susceptible bacteria. Amoxicillin has a unique mode of action which directly and irreversibly disrupts existing cell wall peptidoglycan rather than newly forming peptidoglycan of the divisory septal wall as with other members of the penicillin family.

## **6. PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Butylated Hydroxyanisole  
Butylated Hydroxytoluene  
Aluminium Stearate  
Propylene Glycol Dicaprylocaprate

### **6.2 Major incompatibilities**

None known

### **6.3 Shelf life**

Shelf life of the veterinary medicinal product as packaged for sale: 24 months. Shelf life after first opening the immediate packaging: 28 days

### **6.4 Special precautions for storage**

Do not store above 25°C.

Protect from light.

Following withdrawal of the first dose, use the product within 28 days. Discard unused material.

This product does not contain an antimicrobial preservative.

### **6.5 Nature and composition of immediate packaging**

50 ml and 100 ml clear, colourless Type II or III multidose glass vials, closed with a bromobutyl rubber stopper and flip off-seals.

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

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

- 7. MARKETING AUTHORISATION HOLDER**  
Nawan Laboratories (Pvt.) Ltd.  
Plots No. 136-138, Sector-15,  
Korangi Industrial Area, Karachi-74900, Pakistan.
- 8. MARKETING AUTHORISATION NUMBER**  
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**MANUFACTURED BY:**



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