

# Alamycin<sup>®</sup> LA 300

## Outstanding in the field



**Technical Update**





## Oxytetracycline

Oxytetracycline, a concentration independent antibiotic, requires blood levels to be maintained to ensure antibiotic levels in tissue remain effective above minimum inhibitory concentration (MIC). Following an intramuscular injection it is rapidly absorbed and effective as noted by peak concentration occurring within the first hours after administration. From blood levels, oxytetracycline diffuses across membranes to most of the body to fight bacterial infections. For long acting preparations, a slowly absorbed base moderates absorption to maintain ongoing effective levels over the next days.

Excretion is predominately made through the kidney with only moderate loss in the enterohepatic system. The rate at which this occurs from the body is dependent upon blood concentration. Higher blood levels result in faster renal excretion and a shorter length of action. It is time over the MIC that determines the success of an oxytetracycline products to treat bacterial infections and as excretion cannot be limited, this is directly related to moderating absorption, and hence blood levels, from the injection site.

ALAMYCIN LA 300 WITHHOLDING PERIODS:	MEAT	ESI
<b>CATTLE:</b>	<b>35 days</b>	<b>35 days</b>
<b>PIGS:</b>	<b>28 days</b>	<b>28 days</b>
<b>SHEEP:</b>	<b>28 days</b>	<b>28 days</b>

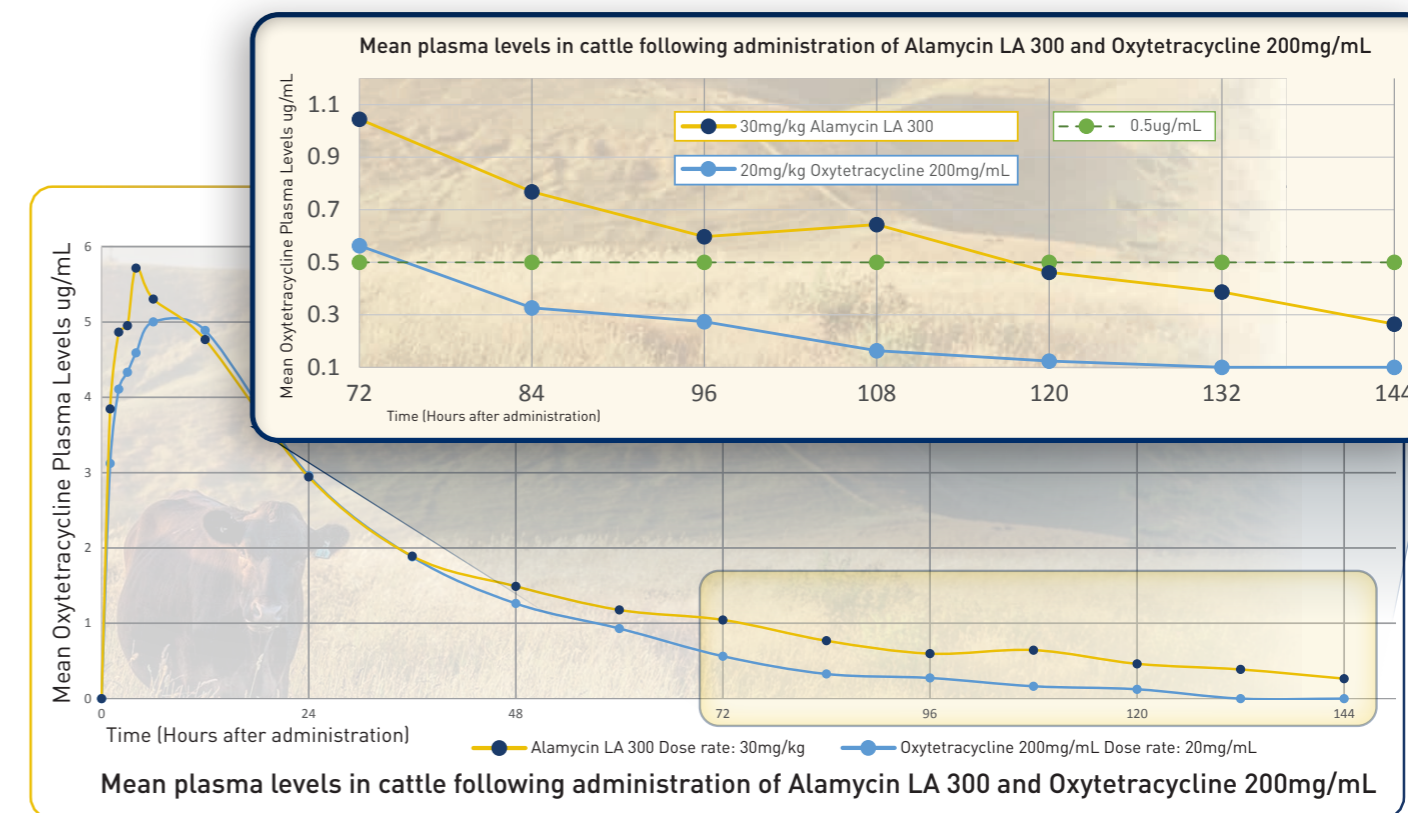
ALAMYCIN LA 300 WITHHOLDING PERIODS:	MILK
<b>COWS:</b>	<b>7 days (14 milkings)</b>



## Alamyacin LA 300

Alamyacin LA 300 offers an answer to prolonged action through both its unique base and concentration delivering advantages for clinical use. Our DMAC (dimethylacetamide) base ensures that the release of oxytetracycline from the injection site is moderated to prolong effective levels. Together with the strongest concentration available, 300mg/mL oxytetracycline, and highest registered 30mg/kg dose, Alamyacin LA 300 provides treatment levels to 5 days.

### Blood levels proven to last longer



### Proven length of action

In cattle, oxytetracycline dosage of 30mg/kg provided blood levels above 0.5ug/kg for a mean of 116.3 hours, compared with 20mg/kg providing only 80.5 hours<sup>1</sup>.

### Superior long acting antibiotic

Alamyacin LA 300 contains oxytetracycline, which is classified as an antibiotic for first line therapy in the AVA Veterinary Use of Antibiotics Highly Important to Human Health<sup>2</sup>. Where oxytetracyclines are indicated, use Alamyacin LA 300 confidently for first line therapy.

1. Data on file, Norbrook Laboratories.  
 2. Australian Veterinary Association 2017, Veterinary Use of Antibiotics Highly Important to Human Health, Australian Veterinary Association, St Leonards.

# Alamycin LA 300

Oxytetracycline 300mg/mL Injection



Longest duration of action from a single dosing of oxytet



First line antibiotic for good antimicrobial stewardship



Flexible treatment options

The tried and trusted Alamycin range.



## Flexible treatment options:

You can tailor treatment protocols to meet your treatment plans and your clients' needs. This makes the Alamycin range a superior choice.

### 30mg/kg dose protocol (Alamycin LA 300)

Providing 5 days therapy from a single treatment. The benefits include reducing the number of injections given to complete the course, reducing the requirements for yarding and improved compliance with duration of therapy.

### 20mg/kg dose protocol (Alamycin LA 300)

Providing 3 days therapy from a single treatment.

### 4mg/kg dose protocol (Alamycin SA 100)

Providing 1 day of therapy per treatment. The benefits include the option for intravenous use and daily administration allowing ongoing assessment of the patient.

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