

Medications Commonly Used in Goats and Approximate Withdrawal Times

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The drugs listed in this table are commonly used in goats. There are only a few drugs *approved* by the FDA to be used in goats. **Use of drugs listed as “extra-label” is legal only if prescribed by your veterinarian in the context of a valid client-patient relationship.** The withdrawal times for various drugs were compiled from different sources. The listed dosages and withdrawal times, as well as drug status and legality of use, is subject to change. Your veterinarian will prescribe the latest, most up-to-date drugs, dosages, and provide the correct withdrawal period. *Consult your veterinarian before beginning any treatment.*

| I. Antibiotics: | Brand Name | Approval | Dosage | Route | Frequency | Withdrawal Time | |
|---|----------------------------|--------------------------------------|---------------------------------------|----------|----------------|-----------------|------------|
| | | | | | | Meat | Milk |
| Ceftiofur | Naxcel® | APPROVED | 0.5-1 mg/lb | IM | Once a day | 0 days | 0 days |
| Neomycin | Biosol® and other products | APPROVED | 5 mg/lb | PO | Twice a day | 3 days | NA |
| Amoxicillin | Amoxi-inject® | <i>extra-label</i> | 5 mg/lb | SQ | Once a day | 26 days | 120 hrs. |
| Ampicillin | Polyflex® | <i>extra-label</i> | 5 mg/lb | SQ | Once a day | 10 days | 72 hrs. |
| Benzathine Pen G | Pen BP-48® | <i>extra-label</i> | 20,000 IU/lb | SQ | Every 48 hours | 30 days | NA |
| Erythromycin | Erythro-200® | <i>extra-label</i> | 1 mg/lb | SQ | Once a day | 5 days | 96 hrs. |
| Florfenicol | Nuflor® | <i>extra-label</i> | 9 mg/lb | IM | Every 48 hours | 28 days | 120 hours |
| Oxytetracycline | LA-200® | <i>extra-label</i> | 9 mg/lb | SQ | Every 48 hours | 29 days | 144 hrs |
| Procaine Pen. G | Crysticillin® | <i>extra-label</i> | 10,000-20,000 IU/lb | SQ | Once a day | 16-21 days | 120 hours |
| Sulfadimethoxine | Albon® | <i>extra-label</i> | 25 mg/lb Day 1, 12.5 mg/lb Days 2 - 5 | PO | Once a day | 12 days | 5 days |
| EXTRA-LABEL USE IS PROHIBITED IN LACTATING DAIRY COWS. DO NOT USE IN LACTATING DAIRY DOES. | | | | | | | |
| Tylosin | Tylan®-200 | <i>extra-label</i> | 10 mg/lb | IM | Once a day | 30 days | 96 hrs. |
| Chloramphenicol | Chloramphenicol | EXTRA-LABEL USE IS PROHIBITED | | | | | |
| Enrofloxacin | Baytril® 100 | EXTRA-LABEL USE IS PROHIBITED | | | | | |
| Furacin, nitrofurantoin | Furox® | EXTRA-LABEL USE IS PROHIBITED | | | | | |
| Gentamicin | Gentocin® | DO NOT USE | | | | | |
| Tilmicosin | Micotil® | DO NOT USE – TOXIC TO GOATS | | | | | |
| II. Anti-inflammatory Drugs: | Brand Name | Approval | Dosage | Route | Frequency | Withdrawal Time | |
| | | | | | | Meat | Milk |
| Aspirin | Aspirin | <i>extra-label</i> | 100 mg/kg | PO | Once a day | 1 day | 24 hours. |
| Flunixin meglumine | Banamine® | <i>extra-label</i> | 1.1-2.2mg/kg | IV or IM | Once a day | 10 days | 72 hours |
| Phenylbutazone | Bute | <i>extra-label</i> | 10-20 mg/kg | PO | Once a day | 60 days | DNU |
| DO NOT USE IN LACTATING ANIMALS | | | | | | | |
| Dipyrrone | Dipyrrone | EXTRA-LABEL USE IS PROHIBITED | | | | | |

| III. Prevention of Coccidiosis: | Brand Name | Approval | Dosage | Withdrawal Time | | |
|---------------------------------|-------------------------|--|---------------------------------|-----------------|--|------------|
| | | | | Meat | Milk | |
| Decoquinat | Deccox® | APPROVED | 13-91 gm/ton of feed | 0 days | 24 hours suggested minimum, DNU | |
| Monensin | Rumensin® | APPROVED | 15-20 gms/ton of feed | 0 days | 96 hours suggested minimum, DNU | |
| Amprolium | Corid® | <i>extra-label</i> | 25-50 mg/kg BW in feed or water | 2 days | 48 hours | |
| Lasalocid | Bovatec® | <i>extra-label</i> | 20-30 gms/ton of feed | 0 days | 24 hours | |
| IV. Anthelmintics: | Brand Name | Approval | Dosage | Route | Withdrawal Time | |
| | | | | | Meat | Milk |
| 1. Avermectins: | | | | | | |
| Doramectin | Dectomax® | <i>extra-label</i> | 0.3 mg/kg | SQ | 56 days | 40 days |
| Eprinomectin | Eprinex® | <i>extra-label</i> | 0.5 mg/kg | PO | NA | NA |
| Ivermectin | Ivomec® Drench | <i>extra-label</i> | 0.3 mg/kg | PO | 14 days | 9 days |
| Ivermectin | Ivomec® 1% | <i>extra-label</i> | 0.3 mg/kg | SQ | 56 days | 50 days |
| Moxidectin | Quest®, Cydectin® | <i>extra-label</i> | 0.5 mg/kg | PO | 23 days | 56 days |
| | Cydectin® drench | <i>extra-label</i> | 0.3 mg/kg | PO | 14 days | NA |
| | Cydectin® Injectable | <i>extra-label</i> | 0.2 mg/kg | SQ | 30 days | DNU |
| 2. Benzimidazoles: | | | | | | |
| Albendazole | Valbazen® | <i>extra-label</i> | 10 mg/kg | PO | 7 days | 120 hours |
| Fenbendazole | Panacur®/ Safeguard® | APPROVED at 5mg/ Kg, <i>extra-label</i> as recommended | 10 mg/kg | PO | 14 days | 120 hours |
| Oxfendazole | Synanthic® | <i>extra-label</i> | 10 mg/kg | PO | 14 days | 120 hours |
| 3. Cholinergic Agonists: | | | | | | |
| Morantel Tartrate | Rumatel® | APPROVED | 10 mg/kg | PO | 30 days | 0 days |
| Levamisole | Levasole® | <i>extra-label</i> | 8 mg/kg | PO | 10 days | 4 days |

| V. Anesthetics and Tranquilizers | Brand Name | Approval | Dosage | Route | Withdrawal Time | |
|----------------------------------|------------|--------------------|---|----------|-----------------|----------|
| | | | | | Meat | Milk |
| Ketamine | Ketaset® | <i>extra-label</i> | 5-10 mg/kg | IV or IM | 3 days | 48 hours |
| Lidocaine | Lidocaine | <i>extra-label</i> | Variable for local anesthesia use, 1% in goats | | | |
| Thiamylal Na | Biotal | <i>extra-label</i> | 10-20 mg/kg | IV | 1 day | 24 hours |
| Xylazine | Rompun® | <i>extra-label</i> | 0.05-0.1 mg/kg | IV or IM | 5 days | 72 hours |
| Yohimbine | Yobin | <i>extra-label</i> | 0.25 mg/kg | IV | 7 days | 72 hours |

| VI. Hormones: | Brand Name | Approval | Dosage | Route | Withdrawal Time | |
|---------------|------------|--------------------|---------------|-------|-----------------|----------|
| | | | | | Meat | Milk |
| Cloprostenol | Estrumate® | <i>extra-label</i> | 125 microgram | IM | 0 days | 0 days |
| Dexamethasone | Azium® | <i>extra-label</i> | 20-25 mg | IM | 14 days | 4 days |
| Dinoprost | Lutalyse® | <i>extra-label</i> | 5-10 mg | IM | 1 day | 24 hours |
| Oxytocin | Oxytocin | <i>extra-label</i> | 10-20 IU | IM | 0 days | 0 days |

| VII. Electrolytes | Brand Name | Approval | Dosage | Route | Withdrawal Time | |
|-------------------|-----------------------|--------------------|---|-------|-----------------|--------|
| | | | | | Meat | Milk |
| Calcium | Calcium borogluconate | <i>extra-label</i> | 60 to 100 ml of 20 to 25% Solution | IV | 0 days | 0 days |
| Calcium | Calcium gluconate | <i>extra-label</i> | 50 to 100 ml 10 to 23% calcium ion solution | IV | 0 days | 0 days |

NOTE:

In the table above PO = oral administration; SQ = subcutaneous injection; IM = intramuscular injection; IV = intravenous injection. *DNU* = insufficient data available to make WDI estimation, this drug is not approved for lactating goats.

Information contained in this document is part of a web-based training and certification program for meat goat producers (<http://www2.luresext.edu/goats/training/qa.html>) that was developed with funding received by Langston University from USDA/FSIS/OPHS project #FSIS-C-10-2004 entitled "Development of a Web-based Training and Certification Program for Meat Goat Producers."

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