

Appendix Table 1. Withdrawal Time Chart for Beef and Dairy

Antimicrobial and dewormer preparations approved and commonly used in cattle in the United States.

DRUG	TRADE NAME	HOW SUPPLIED	INDICATIONS	DOSE	ROUTE	MARKET	
						W/DRAWAL	DAYS
<u>B-LACTAMS</u>							
<u>PENICILLINS</u>							
Procaine Penicillin G	Many Generics	300,000 iu/ml	Systemic metritis Foot rot	1 cc/100 lbs*	IM		30
Ampicillin	Polyflex®	25 gram powder	Anaerobic infection Systemic metritis Mastitis/Foot rot	5cc/100lb BID 5mg/lb QD	IM		30 7
<u>CEPHALOSPORINS</u>							
Ceftiofur	Naxcel® Excenel®	1 gram & 4 gram 50mg/ml	BRDC/Metritis Foot rot/Calf scours Salmonella	1-2 cc/100lb QD	SQ SQ		4 3
Ceftiofur	Excede®	200mg/ml	Respiratory disease	1.5cc/100lb once	SQ(EAR)		13
<u>PHENICOLS</u>							
Florfenicol	Nuflo®	300mg/ml	Respiratory disease Respiratory disease Metaphylaxis Foot rot	3cc/100lb QOD 6cc/100lb 6cc/100lb QOD 3 or 6 cc/100lb	IM SQ SQ IM/SQ		28 38 28/38
<u>MACROLIDES</u>							
Tilmicosin	Micotil®	300MCG/ML	Respiratory disease Metaphylaxis	1.5cc/100lb 1.5cc/100lb	SQ SQ		28 28
Erythromycin Tylosin	Erythro-200® Tylan®	200mg/ml 100mg/ml	mastitis Foot rot diphtheria	2cc/100lb 4cc/100lb QD	IM IM		28 28
Tulathromycin	Draxxin®	100mg/ml	Respiratory disease Mycoplasmosis Metaphylaxis Pinkeye	1.1cc/100 lbs	SQ		18

TETRACYCLINES						
Oxytetracycline	Various	100mg/ml	Foot rot/Pinkeye	5cc/100lb QD	IM	2
Oxytetracycline	LA-200 @Generics	200mg/ml	Foot rot/Pinkeye	5cc/100lb QOD	SQ	28
Oxytetracycline	Noromycin 300 LA®	300mg/ml	Foot rot/Pinkeye	3-5cc/100lb once	SQ	28
SULFAS						
Sulfamethazine	Various	32 gram bolus	Foot rot Coccidia	1bolus/200lbs TOD	PO	8
Sulfadimethoxine	Albon®	8.25 gram bolus	Calf scours	1bolus/50lb TOD	PO	8
		5, 15 gram bolus	Respiratory disease Foot rot/ Diphtheria	1-15 gm bolus/200 lb follow with 1-15 gm bolus/400lb QD for 3-4 days	PO	7
AMINOCYTOSOLS						
Spectinomycin	Adspec®	100mg/ml	Respiratory disease	5-7CC/100 lbs	SQ	11
FLUOROQUINOLONES						
Enrofloxacin	Baytril®	100mg/ml	Respiratory disease	3.5-5.5 ml/100lbs once or 1.5-2ml QD	SQ	28
Danofloxacin	A-180®	180mg/ml	Respiratory disease	1.5 ml/100 lbs	SQ	4

* Penicillin dose is frequently prescribed at higher levels in an extra-label manner thus increasing withdrawal times
 BID= Twice a day
 IM= Intramuscular
 QD= Once a day
 SQ= Subcutaneous
 QOD= Every other Day
 TOD= Every three days

ANTHELMINTICS - DEWORMERS

BENZIMADAZOLES

Fenbendazole	Safeguard®	100mg/ml	Internal Parasites	2.3 ml/100 lbs	PO	8
	Panacur®	100mg/ml	Internal Parasites	2.3 or 4.6 ml/ 100 lbs		
Oxfendazole	Synanthic®	90.6 mg /ml	Internal Parasites	2.5 ml/110 lbs	PO	7
Albendazole	Valbazen®	113.6 mg/ml	Internal Parasites	4 ml/ 100 lbs	PO	27

ENDECTOCIDES

Ivermectin	Ivomec Injection for Cattle®	10 mg/ml	Internal and External Parasites	1 ml/ 110 lbs	SQ	49
	Ivomec Pour-On®	5 mg/ml		5 ml / 100 lb	Topical	48
	Many generic pour-ons	5 mg/ml		5 ml / 100 lb		48

Doramectin	Dectomax Injectable®	10 mg/ml	Internal and External Parasites	1 ml/ 110 lbs	SQ or IM	35
	Dectomax Pour-On®	5 mg/ml		5 ml / 100 lb	Topical	45

Moxidectin	Cydectin®	5 mg/ml	Internal and External Parasites	5 ml / 100 lb	Topical	0
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Eprinomectin	Eprinex®	5 mg/ml	Internal and External Parasites	5 ml / 100 lb	Topical	0
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IMIDAZOTHIAZOLES

Levamisole Phosphate	Levasol Injectable®	136.5 mg/ml	Internal Parasites	2ml/100 lbs	SQ	7
	Prohibit®	46.8 gm pack or 544.5 gm bottle	Internal Parasites	36.3 mg/100 lbs	PO	3

IM= Intramuscular SQ= Subcutaneous PO= Oral