



DAIRY CATTLE WITHDRAWAL TIME CHART

The following is not a complete listing of all the drugs approved for use on a dairy. However, it is a list of the most commonly used and frequently dispensed drugs by Valley Veterinary Clinic, S.C. This is only a guideline; testing of milk and meat to verify that residues no longer remain is the best way to insure violations do not occur.

KEY: IM = Intramuscular
IV = Intravenous
SC = Subcutaneous
IMM = Intramammary
IN = Intranasal
BW = Body Weight
lbs = Pounds

** If there is an asterisk line through a withdrawal area it means an appropriate holding time has not been established and the label makes no mention of a withdrawal period and that product should not be used unless you use caution.

Product Name (Company Name)	Route of Administration	Dosage	Meat Withdrawal	Milk Withdrawal
Albon® Boluses (Pfizer) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.	Oral	Animals should receive initial dose of 25mg per lb BW followed by subsequent daily doses of 12.5 mg per lb of BW.	7 days	60 hours
Albon® Injection 40% (Pfizer) Di-Methox® Injection 40% (AgrilLabs) Sulfamethoxine Injection 40% (Various Manufacturers) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.	IV	First day give 6.25 mL per 100 lbs BW. Then give 3 mL per 100 lbs BW once a day for 2 days.	5 days	60 hours
Aspirin Boluses 240 grain (Various Manufacturers)	Oral	Calves: 1-2 boluses 1-2 times per day Adults: 2-4 boluses 1-2 times per day	*****	*****
Banamine® (Intervet/Schering-Plough) FluMeglumine® (Phoenix Pharm) Flunazine® Injectable Solution (Bimeda) Flu-Nix™ D (AgrilLabs, Norbrook) Flunijlect (Butler) Flunixin Injection (Norbrook) Flunixin Meglumine Injection (Vet Tek) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal. Not for use in dry dairy cattle.	IV only	Inject 1-2 mL per 100 lbs BW 1 time each day for up to 3 days	4 days	36 hours
Baytril® 100 (Bayer) Note: Not for use in dairy cattle 20 months of age or older.	SC	Single dose: Give 3.5-5.5 mL per 100 lbs BW Multiple day dose: Give 1.5-2 mL per 100 lbs BW	28 days	*****

Product Name (Company Name)	Route of Administration	Dosage	Meat Withdrawal	Milk Withdrawal
Bio-Mycin® 200 (B-I)	IM, IV, SC	Inject 9 mg per lb BW IM or SC. Or can administer 3 to 5 mg per lb BW IV, SC or IM. Do not administer more than 10 mL at any one injection site (1-2 mL in small calves).	28 days	96 hours
Bo-Se® (Intervet/Schering-Plough)	IM, SC	Calves: 2.5-3.75 mL per 100 lbs BW	30 days	*****
Catasol™ (Bayer)	IM, IV, SC	Calves: 2-4 mL per 100 lbs BW Adults: 1-2 mL per 100 lbs BW	0 days	0 hours
Corid® 9.6% Oral Solution (Merial) Amprolium 9.6% Oral Solution (AgriLabs)	Drinking Water or Oral	Herd Treatment Basis: 5 day treatment protocol: Add to drinking water at a rate of 16 fl oz/100 gallons. Offer this solution as the only source of water for 5 days. Use on a herd basis only. Individual Treatment Basis: Orally give 5 mL per 100 lbs BW one time each day for 5 consecutive days. 21 day prevention protocol: Add to drinking water at a rate of 8 fl oz/100 gallons. Offer this solution as the only source of water for 21 days.	24 hours	*****
Cystorelin® (Merial)	IM	Inject 2 mL	*****	*****
Dexamethasone injection 2 mg/ml (Various Manufacturers)	IM, IV	Inject 10 mL one time	*****	*****
Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.				
Draxxin® Injectable Solution (Pfizer)	SC	Inject 1.1 mL per 100 lb BW	18 days	*****
Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal. Do not use in female dairy cattle 20 months of age or older.				

Product Name (Company Name)	Route of Administration	Dosage	Meat Withdrawal	Milk Withdrawal
estroPLAN® (AgriLabs)	IM	Inject 2 mL for all indications	0 days	*****
Estrumate® (Intervet/Schering-Plough)	IM	Inject 2 mL for all indications	0 days	*****
Excede® Sterile Suspension (Pharmacia & Upjohn) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.	Base of the Ear	Inject 1.5 mL per 100 lbs BW	13 days	0 days
Excenel® RTU Sterile Suspension (Pharmacia & Upjohn) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.	IM, SC	Inject 1 mL per 50 - 100 lbs BW	3 days	0 hours
Fertagyl® (Intervet/Schering-Plough)	IM	Inject 2 mL	*****	*****
Lutalyse® Sterile Solution (Pharmacia & Upjohn)	IM	Inject a dose of 5 mL	0 days	0 hours
Micotil® 300 (Elanco) Note: Not for use in lactating dairy cattle 20 months of age or older.	SC	Administer 1.5 to 3 mL per 100 lbs BW Do not inject more than 10 mL per injection site.	42 days	*****
MU-SE® (Intervet/Schering-Plough)	IM, SC	Weanling calves: 1 mL per 200 lbs BW	30 days	*****
Naxcel® (Pharmacia & Upjohn) Ceftiflex® (Med-Pharmex™)	IM, SC	Inject 1 mL per 50-100 lbs	4 days	0 hours
Neomycin Oral Solution (AgriLabs) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal. Not for use in female dairy cattle 20 months of age or older.	Oral	Administer at a dose of 10 mg per pound of BW in divided doses for a maximum of 14 days.	1 day	*****
Nuflor® Injectable Solution 300 mg/ml (Intervet/Schering-Plough) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal. Not for use in female dairy cattle 20 months of age or older.	IM	Inject 3 mL per 100 lbs BW. A second dose should be administered 48 hr later.	28 days	*****
	SC	Inject 6 mL per 100 lbs BW. Do not administer more than 10 mL at each site.	38 days	*****

Product Name (Company Name)	Route of Administration	Dosage	Meat Withdrawal	Milk Withdrawal
OXYTETRACYCLINE Agrimycin® 100 (AgriLabs) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal. Use in lactating animals is extra label. Please consult your herd veterinarian for appropriate milk withdrawals.	IV	Inject 3-5 mL per 100 lbs BW	22 days	*****
Agrimycin® 200 (AgriLabs) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal. Use in lactating animals is extra label. Please consult your herd veterinarian for appropriate milk withdrawals.	IV, SC, IV	Inject 4.5 mL per 100 lbs BW. Do not administer more than 10 cc per injection site.	28 days	*****
Tetradure™ (Merial) 300 Pro LA (Norbrook) Use in lactating animals is extra label. Please consult your herd veterinarian for appropriate milk withdrawals.	IM, IV, SC	Inject 3 mL per 100 lbs BW. Do not administer more than 5 mL at injection site.	28 days	*****
Oxy 500 Calf Bolus (B-I) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal. Not for lactating dairy cattle.	Oral	Control: administer orally 1/2 a bolus per 100 lbs of BW every 12 hours for up to 4 consecutive days. Treatment: Administer orally 1 bolus per 100 lbs of BW every 12 hours for up to 4 consecutive days.	*****	*****
Procaine Penicillin G (Various manufacturers) Aquacillin® (Vedco) Bactracillin G™ (Aspen) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.	IM	Inject 1-2 mL per 100 lbs BW twice daily	30 days	7 days
Polyflex® (B-I)	IM	Inject 1 mL per 100 lbs BW twice each day for 3 consecutive days.	6 days	48 hours
Preddef® 2X Sterile Aqueous Suspension (Pharmacia & Upjohn)	IM	Inject 10 mL one time only. Only use in animals less than 5 months pregnant.	7 days	*****

Product Name (Company Name)	Route of Administration	Dosage	Meat Withdrawal	Milk Withdrawal
Sulfadimethoxine 12.5% Oral Solution (Various Manufacturers) Di-Methox® 12.5% Oral Solution (AgriLabs) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.	Drinking Water	25 mg per lb followed by 12.5 mg per lb for 4 days	7 days	*****
Sustain III® Calf Bolus (Bimeda) Note: Not for use in female dairy cattle 20 months of age or older.	Oral	Give 2 boluses per 100 lbs BW	12 days	*****
Tylan® 200 Injection (Elanco) Note: a withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal. Do not use in lactating dairy cattle.	IM	Inject 1 mL per 25 lbs BW Do not inject more than 5 mL per site.	21 days	*****

DISCLAIMER: The following information was adapted from The Compendium for Veterinary Medicine. This chart should be used as a guideline and you should continue to refer to the package information for the most up to date withdrawal information about a particular drug since they may be adjusted following the production of this chart. Every effort has been made to ensure the accuracy of the information presented. However, it remains the responsibility of the readers to familiarize themselves with the information contained on the product label or package insert. All those involved in the production of this book cannot be held responsible for publication errors or any consequence that could result from the use of published information.