

Beef Cattle Withdrawal Time Chart

This chart uses data from the **Compendium of Veterinary Products** database, March 1, 2005. We recommend that any user of a product refers to the label.

The following pages contain a reference table listing product names alphabetically. This document summarizes information on withdrawal times for food products (meat) according to the species and the route of administration.

The withdrawal times listed correspond to label dosages and directions. Deviations from label recommendations may lead to drug residues in food products.

When a label clearly states that the product requires a “zero withdrawal time” or that “no withdrawal time is necessary”, the product will be included in the chart and “**Od**” will be indicated. However, if a product label makes no mention of a withdrawal period, then this product will be excluded.

Withdrawal Notes are included if a text explanation is also needed to clarify the withdrawal statement.

Further information regarding the products listed here may be found in the product labels. If in doubt after reading the label, contact the manufacturer. Addresses and telephone numbers are listed in our Manufacturer’s A-Z index.

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. The publisher, editorial team, and all those involved in the production of this website (or CD) cannot be held responsible for publication errors or any consequence that could result from the used of presented information.

Withdrawal Time Chart Abbreviations

aer/sp	aerosol spray	I.M.M.	intramammary	I.V.	intravenous
bd	beak dip	I.N.	intranasal	mr	milk replacer
dw	drinking water	I.O.	intra-ocular	S.C.	subcutaneous
Epdl.	epidural	I.P.	intraperitoneal	ts	thigh-stab
lmsn.	by immersion	I.R.	intraruminal	ww	wing web
Inhl.	by inhalation	I.Syn.	intrasynovial	d	days
lfltn.	by infiltration	I.Ten.	intratendinous	h	hours
I.A.	intra-articular	I.Tum.	intratumoral	w	weeks
I.Derm.	intra-dermal	I.U.	intra-uterine		
I.M.	intramuscular	I.Vag.	intravaginal		

Beef Cattle Withdrawal Time Chart
Withdrawal times listed correspond to label dosages only.

Product Name	Company Name	Species	Route of Administration	Meat	Milk
3% Rabon® Livestock Dust	Durvet	Beef Cattle	Topical	0d	
5-Way Calf Scour Bolus	AgriLabs	Beef Cattle	Oral	0d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
7 Gauge™	AgriPharm	Beef Cattle	S.C.	21d	
7-Way	Aspen	Beef Cattle	S.C.	21d	
7-Way/Somnus	Aspen	Beef Cattle	I.M., S.C.	21d	
8-Way	Aspen	Beef Cattle	S.C.	21d	
20/20 Vision® 7 with Spur®	Intervet	Beef Cattle	S.C.	21d	
20/20® with Spur®	Intervet	Beef Cattle	S.C.	21d	
31.92% Sul-Q-Nox™/Opti-Med™	Alpharma	Beef Cattle	dw	10d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
A180™	Pfizer Animal Health	Beef Cattle	S.C.	4d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Do not use in cattle intended for dairy production.					
Adspec® Sterile Solution	Pharmacia & Upjohn	Beef Cattle	S.C.	11d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Advance® Calf Medic®	MS Specialty Nutrition	Beef Cattle	Oral	30d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Advance® Calf Medic® Concentrate	MS Specialty Nutrition	Beef Cattle	In the feed, mr	30d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Advance® Calvita® Supreme 20/20 Medicated with Oxy Neo	MS Specialty Nutrition	Beef Cattle	Oral	30d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Agri-Cillin™	AgriLabs	Beef Cattle	I.M.	10d	
Agri-Mectin® Pour-On for Cattle	AgriLabs	Beef Cattle	Topical	48d	
Agrimycin® 100	AgriLabs	Beef Cattle	I.V.	22d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Agrimycin® 200	AgriLabs	Beef Cattle	I.M., I.V., S.C.	28d	
Agrimycin® 200 (Norbrook)	AgriLabs	Beef Cattle	I.M., I.V., S.C.	28d	
Agrimycin® Powder	AgriLabs	Beef Cattle	dw	5d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Albon® Boluses	Pfizer Animal Health	Beef Cattle	Oral	7d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Albon® Concentrated Solution 12.5%	Pfizer Animal Health	Beef Cattle	dw	7d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Albon® Injection 40%	Pfizer Animal Health	Beef Cattle	I.V.	5d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Albon® SR	Pfizer Animal Health	Beef Cattle	Oral	21d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Alpha-7™	Boehringer Ingelheim	Beef Cattle	S.C.	60d	
Alpha-7/MB™	Boehringer Ingelheim	Beef Cattle	S.C.	60d	
Alpha-CD™	Boehringer Ingelheim	Beef Cattle	S.C.	60d	
Ambi-Pen™	Butler	Beef Cattle	S.C.	30d	
Amoxi-Inject® (Cattle)	Pfizer Animal Health	Beef Cattle	I.M., S.C.	25d	
AmTech Dexamethasone Solution	Phoenix Scientific	Beef Cattle	I.M., I.V.		
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
AmTech Flunixin Meglumine Injection	Phoenix Scientific	Beef Cattle	I.V.	4d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
AmTech Furosemide Injection 5%	Phoenix Scientific	Beef Cattle	I.M., I.V.	48h	
AmTech Levamisole Phosphate Injectable Solution	Phoenix Scientific	Beef Cattle	S.C.	7d	
AmTech Maxim™ 100	Phoenix Scientific	Beef Cattle	I.V.	22d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
AmTech Maxim-200®	Phoenix Scientific	Beef Cattle	I.M., I.V., S.C.	28d	
AmTech Neomycin Oral Solution	Phoenix Scientific	Beef Cattle	dw	1d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
AmTech Oxytetracycline HCl Soluble Powder	Phoenix Scientific	Beef Cattle	dw	5d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
AmTech Oxytetracycline HCl Soluble Powder-343	Phoenix Scientific	Beef Cattle	dw	5d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
AmTech Pen-G Max™	Phoenix Scientific	Beef Cattle	I.M.	10d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
AmTech Pen BP-48®	Phoenix Scientific	Beef Cattle	S.C.	30d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
AmTech Phoenectin® Injection for Cattle and Swine	Phoenix Scientific	Beef Cattle	S.C.	35d	
AmTech Phoenectin® Pour-On for Cattle	Phoenix Scientific	Beef Cattle	Topical	48d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
AmTech ProstaMate®	Phoenix Scientific	Beef Cattle	I.M.	0d	

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
AmTech Sulfadimethoxine 12.5% Oral Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Scientific	Beef Cattle	dw		7d
AmTech Sulfadimethoxine Injection - 40% <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Scientific	Beef Cattle	I.V.		5d
AmTech Sulfadimethoxine Soluble Powder <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Scientific	Beef Cattle	dw		7d
AmTech Tetracycline Hydrochloride Soluble Powder-324 <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Scientific	Beef Cattle	dw		5d
AmTech Tripelennamine Hydrochloride Injection <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Scientific	Beef Cattle	I.M., I.V.		4d
Animal Insecticide	Durvet	Beef Cattle	Topical		0d
Anthrax Spore Vaccine	Colorado Serum	Beef Cattle	S.C.		60d
Antidote® PHM	AgriPharm	Beef Cattle	I.M., S.C.		60d
Antitox Tet™	Novartis (Farm Animal)	Beef Cattle	I.M., S.C.		21d
Aquacillin™	Vedco	Beef Cattle	I.M.		10d
Arsenal® 4.1	Novartis (Farm Animal)	Beef Cattle	S.C.		21d
Arsenal® IBR	Novartis (Farm Animal)	Beef Cattle	I.N., S.C.		21d
Arsenal® IBR BVD	Novartis (Farm Animal)	Beef Cattle	S.C.		21d
Aspirin USP With Apple Flavoring <i>Note:</i> Not for use in food-producing animals.	Neogen	Beef Cattle	Oral		
Atroban® Extra Insecticide Ear Tags <i>Note:</i> Remove tags before slaughter.	Schering-Plough	Beef Cattle	Ear tags		
Aureomycin® 50 Granular <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Alpharma	Beef Cattle	In the feed		
Aureomycin® 90 Granular <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Alpharma	Beef Cattle	In the feed		
Aureomycin® 100 Granular <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Alpharma	Beef Cattle	In the feed		
Aureomycin® Soluble Powder <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Fort Dodge	Beef Cattle	dw		24h
Aureomycin® Soluble Powder Concentrate <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Fort Dodge	Beef Cattle	dw, Oral		24h
Aureo S 700® Granular 10G <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Alpharma	Beef Cattle	In the feed		7d
Aureo S 700® Granular 35G <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Alpharma	Beef Cattle	In the feed		7d
Azium® Powder <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Schering-Plough	Beef Cattle	Feed, Oral		
Azium® Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Schering-Plough	Beef Cattle	I.M., I.V.		
Banamine® Injectable Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Schering-Plough	Beef Cattle	I.V.		4d
Bar-Guard-99™	Boehringer Ingelheim	Beef Cattle	Oral		21d
Bar Somnus™	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Bar Somnus 2P™	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Bar-Vac® 7	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Bar Vac® 7/Somnus	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Bar-Vac® 8	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Bar-Vac® CD	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Bar Vac® CD/T	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Baytril® 100 (enrofloxacin) 100 mg/mL Antimicrobial Injectable Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Do not use in cattle intended for dairy production.	Bayer Animal Health	Beef Cattle	S.C.		28d
Bio-Mycin® 200	Boehringer Ingelheim	Beef Cattle	I.M., S.C.		28d
Biosol® Liquid <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Pharmacia & Upjohn	Beef Cattle	dw, In the feed, Oral		1d
Bloat Release	AgriLabs	Beef Cattle	Oral		3d
Bloat Treatment	AgriPharm	Beef Cattle	Oral		3d
Blood Stop Powder <i>Note:</i> Not for use on animals intended for food purposes.	AgriLabs	Beef Cattle	Topical		
Blue Lotion <i>Note:</i> Not for use on animals intended for food purposes.	Farnam	Beef Cattle	Topical		
Bo-Bac-2X™	Boehringer Ingelheim	Beef Cattle	S.C.		21d
BO-SE®	Schering-Plough	Beef Cattle	I.M., S.C.		30d
BovaMune™	AgriLabs	Beef Cattle	I.M., S.C.		21d

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Withdrawal times listed correspond to label dosages only.

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Bovatec® 68	Alpharma	Beef Cattle	In the feed		
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Bovatec® 150 FP	Alpharma	Beef Cattle	In the feed		
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Bovatec® Liquid 20	Alpharma	Beef Cattle	In the feed		
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Bovi-K® 4	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovine Pili Shield™	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Bovine Pili Shield™+C	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Bovine Virus Diarrhea Vaccine	Colorado Serum	Beef Cattle	I.M.	21d	
Bovi-Plaz™	AgriPharm	Beef Cattle	S.C.	60d	
Bovi-Sera Serum Antibodies	Colorado Serum	Beef Cattle	I.M., S.C.	21d	
Bovi-Shield™ 3	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield™ 4	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield™ BRSV	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield® FP 4+L5	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield® GOLD 3	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield® GOLD 5	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield® GOLD FP™ 5 L5	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield® GOLD FP-® 5 VL5	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield® GOLD IBR-BVD	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield® GOLD IBR-BVD-BRSV-LP	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield™ IBR	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield™ IBR-BRSV-LP	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield™ IBR-BVD	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield™ IBR-BVD-BRSV-LP	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Bovi-Shield™ IBR-PI3-BRSV	Pfizer Animal Health	Beef Cattle	I.M.	21d	
BoviSpec™ Sterile Solution	Vet Tek	Beef Cattle	S.C.	11d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Breed-Back-10™	Boehringer Ingelheim	Beef Cattle	I.M.	21d	
Breed-Back™ FP 5	Boehringer Ingelheim	Beef Cattle	S.C.	21d	
Breed-Back™ FP 5-HS	Boehringer Ingelheim	Beef Cattle	S.C.	21d	
Breed-Back™ FP 10	Boehringer Ingelheim	Beef Cattle	S.C.	21d	
Breed-Back™ FP 10-HS	Boehringer Ingelheim	Beef Cattle	S.C.	21d	
Brucella Abortus Vaccine (Strain RB-51)	Professional Biological	Beef Cattle	S.C.	21d	
BVD Shield™ 3	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Calf-Guard®	Pfizer Animal Health	Beef Cattle	I.M., Oral	21d	
Calf Scour Bolus Antibiotic	Durvet	Beef Cattle	Oral	12d	
Caliber® 3	Boehringer Ingelheim	Beef Cattle	S.C.	21d	
Caliber® 7	Aspen	Beef Cattle	S.C.	21d	
Caliber® 7	Boehringer Ingelheim	Beef Cattle	S.C.	21d	
Campylobacter Fetus Bacterin-Bovine	Colorado Serum	Beef Cattle	S.C.	60d	
CattleMaster® 4	Pfizer Animal Health	Beef Cattle	I.M.	21d	
CattleMaster® 4+L5	Pfizer Animal Health	Beef Cattle	I.M.	21d	
CattleMaster® 4+VL5	Pfizer Animal Health	Beef Cattle	I.M.	21d	
CattleMaster® BVD-K	Pfizer Animal Health	Beef Cattle	I.M.	21d	
CattleMaster® GOLD FP™ 5	Pfizer Animal Health	Beef Cattle	S.C.	21d	
CattleMaster® GOLD FP™ 5 L5	Pfizer Animal Health	Beef Cattle	S.C.	21d	
Cattle-Vac™ 7HS	Durvet	Beef Cattle	S.C.	21d	
Cattlevac Clostri-7	Durvet	Beef Cattle	S.C.	21d	
Cattle-Vac™ EC	Durvet	Beef Cattle	I.M.	60d	
Cattle Vac™ EC+C	Durvet	Beef Cattle	I.M.	60d	
Cattle-Vac™ E. Coli	Durvet	Beef Cattle	Oral	21d	
Cattle-Vac™ E. Coli+C	Durvet	Beef Cattle	Oral	21d	
Cattle-Vac™ HS	Durvet	Beef Cattle	I.M., S.C.	21d	
Cattle-Vac™ Pinkeye 4	Durvet	Beef Cattle	I.M.	60d	
Cattle-Vac™ Salmo	Durvet	Beef Cattle	I.M., S.C.	21d	
Cattle-Vac™ Vibrio-Plus	Durvet	Beef Cattle	I.M.	60d	
C & D Antitoxin™	Boehringer Ingelheim	Beef Cattle	I.V., S.C.	21d	
C & D Toxoid	Aspen	Beef Cattle	I.M., S.C.	21d	
Centurion™	Schering-Plough	Beef Cattle	S.C.	60d	

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Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
ChlorMax® 50	Alpharma	Beef Cattle Beef Cattle	In the feed In the feed	48h 24h	
<p>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use on calves to be processed for veal. For beef cattle being fed at 0.5 mg/lb body weight/day or 350 mg/head/day, withdraw 48 hours prior to slaughter. Withdraw from calves and beef cattle 24 hours prior to slaughter when used at levels of 10 mg/lb body weight/day.</p>					
Clostratox® BCD	Novartis (Farm Animal)	Beef Cattle	S.C.	21d	
Clostratox® C	Novartis (Farm Animal)	Beef Cattle	S.C.	21d	
Clostratox® Ultra C 1300	Novartis (Farm Animal)	Beef Cattle	S.C.	21d	
Clostridial 7-Way	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Clostridial 7-Way plus Somnumune®	AgriLabs	Beef Cattle	S.C.	21d	
Clostridial 8-Way	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Clostridial Antitoxin BCD	Durvet	Beef Cattle	S.C.	21d	
Clostridial BCD	Durvet	Beef Cattle	I.M.	21d	
Clostridium Perfringens Types C & D Antitoxin, Equine Origin	Colorado Serum	Beef Cattle	S.C.	21d	
<p>Note: If emergency conditions require vaccination of animals reaching market age and condition, these should not be offered for slaughter in less than 21 days after administration of the vaccine.</p>					
Clostridium Perfringens Types C&D Antitoxin, Equine Origin	Professional Biological	Beef Cattle	I.V., S.C.	21d	
Clostridium Perfringens Types C&D-Tetanus Toxoid	Professional Biological	Beef Cattle	I.M., S.C.	21d	
Clostridium Perfringens Types C&D Toxoid	Professional Biological	Beef Cattle	I.M., S.C.	21d	
Clostri Shield® 7	Novartis (Farm Animal)	Beef Cattle	S.C.	21d	
Clostri Shield® BCD	Novartis (Farm Animal)	Beef Cattle	I.M.	21d	
CLTC® 100 MR	Phibro	Beef Cattle	mr		
<p>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Withdraw 10 days before slaughter when fed at 10 mg/lb/day.</p>					
Cobalt™ 7	AgriLabs	Beef Cattle	S.C.	21d	
Combi-Pen™-48	Bimeda	Beef Cattle	S.C.	30d	
Comectrin™ Injection for Cattle and Swine	VetLife	Beef Cattle	S.C.	35d	
Comectrin™ Pour-On for Cattle	VetLife	Beef Cattle	Topical	48d	
Compamine®	VetLife	Beef Cattle	I.V.	4d	
<p>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</p>					
Component® E-C	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.</p>					
Component® E-C with Tylan®	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.</p>					
Component® E-H	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.</p>					
Component® E-H with Tylan®	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.</p>					
Component® E-S	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.</p>					
Component® E-S with Tylan®	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.</p>					
Component® TE-200	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.</p>					
Component® TE-G	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.</p>					
Component® TE-G with Tylan®	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.</p>					
Component® TE-H	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.</p>					
Component® TE-H with Tylan®	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.</p>					
Component® TE-IH	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.</p>					
Component® TE-IH with Tylan®	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.</p>					
Component® TE-IS	VetLife	Beef Cattle	Implant		
<p>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.</p>					

Beef Cattle Withdrawal Time Chart
Withdrawal times listed correspond to label dosages only.

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Component® TE-IS with Tylan® <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® TE-S <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® TE-S with Tylan® <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® T-H <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® T-H with Tylan® <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® T-S <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® T-S with Tylan® <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Conquest™ 3+VL5	Aspen	Beef Cattle	S.C.		60d
Conquest™-4K	Aspen	Beef Cattle	I.M., S.C.		21d
Conquest™ 5K (oil base)	Aspen	Beef Cattle	I.M.		60d
Conquest™ 5K+HS (oil base)	Aspen	Beef Cattle	I.M.		60d
Conquest™ 5K+VL5 (oil base)	Aspen	Beef Cattle	I.M.		60d
Conquest™-9K	Aspen	Beef Cattle	I.M., S.C.		21d
Conquest™ 10K	Aspen	Beef Cattle	I.M.		60d
CooperMEC® Cattle Pour-On	Schering-Plough	Beef Cattle	Topical		48d
Co-Ral® 1%	Durvet	Beef Cattle	Topical		0d
Co-Ral® (coumaphos) Emulsifiable Livestock Insecticide Restricted Use Pesticide	Bayer Animal Health	Beef Cattle	Topical		0d
Co-Ral® (coumaphos) Flowable Insecticide Restricted Use Pesticide	Bayer Animal Health	Beef Cattle	Topical		0d
Co-Ral® Plus Insecticide Cattle Ear Tag <i>Note:</i> Remove tags before slaughter.	Bayer Animal Health	Beef Cattle	Ear tags		
CORID® 9.6% Oral Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Merial	Beef Cattle	dw, Oral		24h
CORID® 20% Soluble Powder <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Merial	Beef Cattle	Oral		24h
CORID® 25% Type A Medicated Article <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Merial	Beef Cattle	In the feed		24h
Covert™ 5	AgriPharm	Beef Cattle	I.M., S.C.		21d
Covert® 5 + Antidote® PHM	AgriPharm	Beef Cattle	I.M., S.C.		60d
Covert™ 5-HS	AgriPharm	Beef Cattle	I.M., S.C.		21d
Covert™ 10	AgriPharm	Beef Cattle	I.M.		21d
Covexin® 8 Vaccine	Schering-Plough	Beef Cattle	I.M., S.C.		21d
Cow-Vac® 9	Aspen	Beef Cattle	I.M., S.C.		21d
CURATREM® 8.5% Liver Fluke Drench for Cattle	Merial	Beef Cattle	Oral		8d
Cydectin® Pour-On <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Fort Dodge	Beef Cattle	Topical		0d
Cylence® Ultra Insecticide Cattle Ear Tag <i>Note:</i> Remove tags before slaughter.	Bayer Animal Health	Beef Cattle	Ear tags		
DairyVac 4	Durvet	Beef Cattle	I.M., S.C.		21d
DairyVac 4HS	Durvet	Beef Cattle	I.M., S.C.		21d
DairyVac 9	Durvet	Beef Cattle	I.M., S.C.		21d
DairyVac 9HS	Durvet	Beef Cattle	I.M., S.C.		21d
Dectomax® Injectable Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Pfizer Animal Health	Beef Cattle	I.M., S.C.		35d
Dectomax® Pour-On <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Pfizer Animal Health	Beef Cattle	Topical		45d
Defensor® 3	Pfizer Animal Health	Beef Cattle	I.M.		21d
Del-Phos® Emulsifiable Liquid Insecticide	Schering-Plough	Beef Cattle	Topical		3d
Dexaject <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Vetus	Beef Cattle	I.M., I.V.		
Dexamethasone Injection 2 mg/mL <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Sparhawk	Beef Cattle	I.M., I.V.		

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Dexamethasone Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	AgriLabs	Beef Cattle	I.M., I.V.		
Dexamethasone Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Aspen	Beef Cattle	I.M., I.V.		
Dexamethasone Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Butler	Beef Cattle	I.M., I.V.		
Dexamethasone Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Pharmaceutical	Beef Cattle	I.M., I.V.		
Dexamethasone Solution 2 mg <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Vet Tek	Beef Cattle	I.M., I.V.		
Dexasone <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	RXV	Beef Cattle	I.M., I.V.		
Dexium™ Injection <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Bimeda	Beef Cattle	I.M., I.V.		
Di-Methox® 12.5% Oral Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	AgriLabs	Beef Cattle	dw		7d
Di-Methox® Injection-40% <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	AgriLabs	Beef Cattle	I.V.		5d
Di-Methox® Soluble Powder <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	AgriLabs	Beef Cattle	dw		7d
Dominator® Insecticide Ear Tags <i>Note:</i> Remove tags before slaughter.	Schering-Plough	Beef Cattle	Ear tags		
Double Barrel™ VP Insecticide Ear Tags <i>Note:</i> Remove tags before slaughter.	Schering-Plough	Beef Cattle	Ear tags		
Double Impact™	AgriLabs	Beef Cattle	S.C.		35d
Dual-Cillin™ <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Pharmaceutical	Beef Cattle	S.C.		30d
Duo-Pen®	AgriPharm	Beef Cattle	S.C.		30d
DURALEASE™ <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.	Merial	Beef Cattle	S.C.		
Duramycin 10 <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Durvet	Beef Cattle	dw		5d
Duramycin 72-200	Durvet	Beef Cattle	I.M., I.V., S.C.		28d
Duramycin-100 <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Durvet	Beef Cattle	I.V.		22d
Duramycin 324 <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Durvet	Beef Cattle	dw		5d
Dura-Pen	Durvet	Beef Cattle	S.C.		30d
Durapen™	Vedco	Beef Cattle	S.C.		30d
Durasect™ Long-Acting Livestock Pour-On	Pfizer Animal Health	Beef Cattle	Topical		0d
Durasect® II Long-Acting Livestock Pour-On	Pfizer Animal Health	Beef Cattle	Topical		0d
DurGuard™ 4	Durvet	Beef Cattle	I.M., S.C.		60d
DurGuard™ 5	Durvet	Beef Cattle	I.M., S.C.		60d
DurGuard™ 5HS	Durvet	Beef Cattle	I.M.		60d
DurGuard™ 5HS+VL5	Durvet	Beef Cattle	I.M.		60d
DurGuard™ 5+VL5	Durvet	Beef Cattle	I.M.		60d
DurGuard™ 10	Durvet	Beef Cattle	I.M.		60d
DurGuard™ 10HS	Durvet	Beef Cattle	I.M.		60d
DurShield™ 4	Durvet	Beef Cattle	S.C.		21d
DurShield™ IP	Durvet	Beef Cattle	I.N.		21d
EAZI-Breed™ CIDR® Cattle Insert	Pharmacia & Upjohn	Beef Cattle	I.Vag.		0d
E-Coli + C Antibody	AgriPharm	Beef Cattle	Oral		21d
E. Colicin-B™	AgriLabs	Beef Cattle	I.N., Oral		21d
Ecomectin Cattle Pour-On	Access Animal Health	Beef Cattle	Topical		48d
Ectrin® Insecticide Cattle Ear Tag <i>Note:</i> Remove tags before slaughter.	Boehringer Ingelheim	Beef Cattle	Ear tags		
Electroid® 7 Vaccine	Schering-Plough	Beef Cattle	I.M., S.C.		21d
Electroid® D	Schering-Plough	Beef Cattle	I.M., S.C.		21d
Elite 4™	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Elite 4-HS™	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Elite 9™	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Elite 9-HS™	Boehringer Ingelheim	Beef Cattle	I.M.		21d
ENDOVAC-Bovi® with ImmunePlus®	Immvac	Beef Cattle	I.M.		60d
EnterVene™-d	Fort Dodge	Beef Cattle	S.C.		21d
Essential 1	Colorado Serum	Beef Cattle	I.M., S.C.		21d

Beef Cattle Withdrawal Time Chart
Withdrawal times listed correspond to label dosages only.

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Essential 2	Colorado Serum	Beef Cattle	S.C.	21d	
Essential 2 + P	Colorado Serum	Beef Cattle	S.C.	21d	
Essential 3	Colorado Serum	Beef Cattle	I.M., S.C.	21d	
Essential 3 + T	Colorado Serum	Beef Cattle	I.M., S.C.	21d	
Essential 4	Colorado Serum	Beef Cattle	I.M., S.C.	21d	
Exalt™ 5 + L5	AgriPharm	Beef Cattle	I.M.	60d	
Exalt™ 5 + VL5	AgriPharm	Beef Cattle	I.M.	60d	
Exalt™ 6	AgriPharm	Beef Cattle	S.C.	60d	
Exalt™ 6+Somnus	AgriPharm	Beef Cattle	I.M.	60d	
Excede™ Sterile Suspension	Pfizer Animal Health	Beef Cattle	S.C.		0d
	<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.				
Excenel® RTU	Pharmacia & Upjohn	Beef Cattle	I.M., S.C.		2d
	<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.				
Expectorant Powder	First Priority	Beef Cattle	Oral		
	<i>Note:</i> Not for use in animals intended for food purposes.				
Express™ 3	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Express™ 3/Lp	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Express 4®	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Express™ 5	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Express™ 5-HS	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Express™ 5-PHM	Boehringer Ingelheim	Beef Cattle	S.C.		60d
Express 10™	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Express™ 10-HS	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Express™ I	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Express™ IBP	Boehringer Ingelheim	Beef Cattle	S.C.		21d
Express™ IBP/HS-2P	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Express™ I/Lp	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Express™ IP/HS-2P	Boehringer Ingelheim	Beef Cattle	I.M.		21d
Factrel®	Fort Dodge	Beef Cattle	I.M.		0d
Finaplix®-H	Intervet	Beef Cattle	Implant		
	<i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.				
FluMeglumine®	Phoenix Pharmaceutical	Beef Cattle	I.V.		4d
	<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.				
Flu-Nix™	AgriLabs	Beef Cattle	I.V.		4d
	<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.				
Flunixinamine™	Fort Dodge	Beef Cattle	I.V.		4d
	<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.				
Flunixin Meglumine	Vet Tek	Beef Cattle	I.V.		4d
	<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.				
Flunixin Meglumine Injection	Butler	Beef Cattle	I.V.		4d
	<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.				
Fortress® 7	Pfizer Animal Health	Beef Cattle	S.C.		21d
Fortress® 8	Pfizer Animal Health	Beef Cattle	S.C.		21d
Fortress® CD	Pfizer Animal Health	Beef Cattle	S.C.		21d
Furosemide Injectable 5%	AgriLabs	Beef Cattle	I.M., I.V.		48h
Furosemide Injection 5%	Phoenix Pharmaceutical	Beef Cattle	I.M., I.V.		48h
Furosemide Injection 5%	Vet Tek	Beef Cattle	I.M., I.V.		48h
Fusogard®	Novartis (Farm Animal)	Beef Cattle	S.C.		21d
Gallimycin®-100 Injection	Bimeda	Beef Cattle	I.M.		14d
Gauge™ C&D	AgriPharm	Beef Cattle	S.C.		21d
Good Start Calf Paste	AgriPharm	Beef Cattle	Oral		0d
Guardian™	Schering-Plough	Beef Cattle	S.C.		60d
Herd-Vac™ 3	Biocor	Beef Cattle	I.M., S.C.		21d
Herd-Vac™ 3 S	Biocor	Beef Cattle	I.M., S.C.		21d
Herd-Vac™ 8	Biocor	Beef Cattle	I.M., S.C.		21d
Herd-Vac™ 9	Biocor	Beef Cattle	I.M., S.C.		21d
H. Somnus Bacterin	Aspen	Beef Cattle	I.M., S.C.		21d
IBL Vaccine	Aspen	Beef Cattle	I.M.		21d
IBP-L5 Vaccine	Aspen	Beef Cattle	I.M., S.C.		21d
IBP-SomnuMune® Vaccine	Aspen	Beef Cattle	I.M., S.C.		21d
IBP Vaccine	Aspen	Beef Cattle	I.M., S.C.		21d
IL Vaccine	Aspen	Beef Cattle	I.M.		21d
Immunoboost®	Bioniche Animal Health	Beef Cattle	I.V.		21d
IMRAB® 3	Merial	Beef Cattle	I.M., S.C.		21d

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
IMRAB® Large Animal	Merial	Beef Cattle	I.M., S.C.	21d	
InstaVac™ Intranasal IBR-PI3	Aspen	Beef Cattle	I.N.	21d	
In-Synch™	AgriLabs	Beef Cattle	I.M.	0d	
I-Site™	AgriLabs	Beef Cattle	S.C.	21d	
Ivercide™ Injection for Cattle and Swine	Phoenix Pharmaceutical	Beef Cattle	S.C.	35d	
Ivercide™ Pour-On for Cattle	Phoenix Pharmaceutical	Beef Cattle	Topical	48d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use on calves to be processed for veal.					
Ivermax™ Injection for Cattle and Swine	RXV	Beef Cattle	S.C.	35d	
Ivermectin Injection for Cattle and Swine	Aspen	Beef Cattle	S.C.	35d	
Ivermectin Injection for Cattle and Swine	Durvet	Beef Cattle	S.C.	35d	
Ivermectin Pour-On	Aspen	Beef Cattle	Topical	48d	
Ivermectin Pour-On	Durvet	Beef Cattle	Topical	48d	
Iver-On™	Med-Pharmex	Beef Cattle	Topical	48d	
IVOMEC® 1% Injection for Cattle and Swine	Merial	Beef Cattle	S.C.	35d	
IVOMEC® EPRINEX® Pour-On for Beef and Dairy Cattle	Merial	Beef Cattle	Topical	0d	
IVOMEC® Plus Injection for Cattle	Merial	Beef Cattle	S.C.	49d	
IVOMEC® Pour-On for Cattle	Merial	Beef Cattle	Topical	48d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Jencine® 2	Schering-Plough	Beef Cattle	I.M., S.C.	21d	
Jencine® 3	Schering-Plough	Beef Cattle	I.M., S.C.	21d	
Jencine® 4	Schering-Plough	Beef Cattle	I.M., S.C.	21d	
Land O Lakes® Instant Amplifier® Max	Land O'Lakes	Beef Cattle	Oral	30d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Land O Lakes® Instant Amplifier® Select	Land O'Lakes	Beef Cattle	Oral	30d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Land O Lakes® Instant Cow's Match®	Land O'Lakes	Beef Cattle	Oral	30d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Land O Lakes® Instant Maxi Care®	Land O'Lakes	Beef Cattle	Oral	30d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Land O Lakes® Instant Nursing Formula	Land O'Lakes	Beef Cattle	Oral	30d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Lepto 5	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Lepto-5	Boehringer Ingelheim	Beef Cattle	I.M.	21d	
Lepto-5	Colorado Serum	Beef Cattle	I.M., S.C.	21d	
Lepto 5	Durvet	Beef Cattle	I.M.	21d	
Lepto 5 Vaccine	Aspen	Beef Cattle	I.M., S.C.	21d	
Leptoferm-5®	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Lepto Shield™ 5	Novartis (Farm Animal)	Beef Cattle	I.M.	21d	
Levamisole Phosphate	AgriLabs	Beef Cattle	S.C.	7d	
Levamisole Phosphate Injectable Solution, 13.65%	Aspen	Beef Cattle	S.C.	7d	
Levasole® Cattle Wormer Boluses	Schering-Plough	Beef Cattle	Oral	48h	
Levasole® Injectable Solution, 13.65%	Schering-Plough	Beef Cattle	S.C.	7d	
Levasole® Soluble Drench Powder	Schering-Plough	Beef Cattle	Oral	48h	
Liquamycin® LA-200®	Pfizer Animal Health	Beef Cattle	I.V., S.C.	28d	
Louse Powder with Rabon®	LeGear	Beef Cattle	Topical	0d	
Lutalyse® Sterile Solution	Pharmacia & Upjohn	Beef Cattle	I.M.	0d	
Mannheimia Haemolytica-Pasteurella Multocida Bacterin	Colorado Serum	Beef Cattle	S.C.	21d	
Master Guard® 10	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Master Guard® 10	Intervet	Beef Cattle	I.M., S.C.	21d	
Master Guard® 10 + Vibrio	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Master Guard® J5	AgriLabs	Beef Cattle	I.M., S.C.	60d	
Master Guard® Preg 5	Intervet	Beef Cattle	I.M., S.C.	21d	
Maxi/Guard® Pinkeye Bacterin	Addison	Beef Cattle	S.C.	21d	
Maxim-200®	Phoenix Pharmaceutical	Beef Cattle	I.M., I.V., S.C.	28d	
Micotil® 300 Injection	Elanco	Beef Cattle	S.C.	28d	
<i>Note:</i> Not for use in female dairy cattle 20 months of age or older.					
Multi Serum	Durvet	Beef Cattle	I.M., S.C.	21d	
MU-SE®	Schering-Plough	Beef Cattle	I.M., S.C.	30d	
Myco-Bac™ B	Texas Vet Lab	Beef Cattle	S.C.	60d	
Nasalgen® IP Vaccine	Schering-Plough	Beef Cattle	I.N.	21d	
Nasal-Vax™	AgriPharm	Beef Cattle	I.N.	21d	
Naxcel®	Pharmacia & Upjohn	Beef Cattle	I.M., S.C.	0d	

Beef Cattle Withdrawal Time Chart
Withdrawal times listed correspond to label dosages only.

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Neo-325 Soluble Powder (Ag. & Com. Grades)	Bimeda	Beef Cattle	dw, In the feed, Oral	1d	
NeoGuard™	Intervet	Beef Cattle	S.C.	21d	
Neomix® 325 Soluble Powder <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Pharmacia & Upjohn	Beef Cattle	dw	1d	
Neomix® AG 325 Medicated Premix <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Pharmacia & Upjohn	Beef Cattle	In the feed	1d	
Neomix® AG 325 Soluble Powder <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Pharmacia & Upjohn	Beef Cattle	dw	1d	
Neomycin 200 <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Aspen	Beef Cattle	dw	1d	
Neomycin 325 <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	AgriLabs	Beef Cattle	dw	1d	
Neomycin 325 <i>Note:</i> A milk discard period has not been established for this product in lactating dairy cattle. Do not use in female dairy cattle 20 months of age or older.	Durvet	Beef Cattle	dw	1d	
Neomycin Oral Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	AgriLabs	Beef Cattle	dw	1d	
Neomycin Oral Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Durvet	Beef Cattle	dw	1d	
Neomycin Oral Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Pharmaceutical	Beef Cattle	dw	1d	
Neo-Oxy 10/5 Meal <i>Note:</i> All use levels in milk replacers require a 30 day withdrawal before slaughter. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Withdraw from cattle 7 days before slaughter when used at a level of 1.4 g neomycin base plus 2 g oxytetracycline per head daily .	PennField	Beef Cattle	In the feed, mr	0-30d	
Neo-Oxy 10/10 Meal <i>Note:</i> All use levels in milk replacers require a 30 day withdrawal before slaughter. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Withdraw from calves 7 days before slaughter when used at a level of 1.4 g neomycin base plus 2 g oxytetracycline per head daily .	PennField	Beef Cattle	In the feed, mr	0-30d	
Neo-Oxy 50/50 Meal <i>Note:</i> All use levels in milk replacers require a 30 day withdrawal before slaughter. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Withdraw from calves 7 days before slaughter when used at a level of 1.4 g neomycin base plus 2 g oxytetracycline per head daily .	PennField	Beef Cattle	In the feed, mr	0-30d	
Neo-Oxy 100/50 Meal <i>Note:</i> At all use levels in milk replacers for calves, withdraw 5 days before slaughter. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Withdraw from calves 7 days before slaughter when used at a level of 1.4 g neomycin base plus 2 g oxytetracycline per head daily .	PennField	Beef Cattle	In the feed, mr	0-30d	
Neo-Oxy 100/50 MR <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	PennField	Beef Cattle	mr	30d	
Neo-Oxy 100/100 Meal <i>Note:</i> All use levels in milk replacers require a 30 day withdrawal before slaughter. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Withdraw from calves 7 days before slaughter when used at a level of 1.4 g neomycin base plus 2 g oxytetracycline per head daily .	PennField	Beef Cattle	In the feed, mr	0-30d	
Neo-Sol® 50 <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Alpharma	Beef Cattle	dw	1d	
Neosol-Oral <i>Note:</i> Not to be used in veal calves.	Med-Pharmex	Beef Cattle	dw	1d	
Neosol Soluble Powder <i>Note:</i> Not to be used in veal calves.	Med-Pharmex	Beef Cattle	dw	30d	
Neo-Terramycin® 50/50 <i>Note:</i> When fed at the level of 1.4 g neomycin base plus 2 g oxytetracycline/calf/day requires withdrawal from feed 7 days before slaughter . A withdrawal is not required for calves fed at lower levels.	Phibro	Beef Cattle	In the feed	0-7d	
Neo-Terramycin® 100/50 <i>Note:</i> When fed at the level of 1.4 g neomycin base plus 2 g oxytetracycline/calf/day requires withdrawal from feed 7 days before slaughter . A withdrawal is not required for calves fed at lower levels.	Phibro	Beef Cattle	In the feed	0-7d	
Neo-Terramycin® 100/50D	Phibro	Beef Cattle	In the feed	30d	
Neoved 200 <i>Note:</i> Not to be used in veal calves.	Vedco	Beef Cattle	dw	30d	
Neovet 325/100 <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	AgriPharm	Beef Cattle	dw	1d	
Neovet 325 Ag Grade	AgriPharm	Beef Cattle	dw	1d	
New Z® Diazinon Insecticide Cattle Ear Tags <i>Note:</i> Remove tags before slaughter.	Farnam	Beef Cattle	Ear tags		
New Z® Permethrin Insecticide Cattle Ear Tags <i>Note:</i> Remove tags before slaughter.	Farnam	Beef Cattle	Ear tags		
nfz® puffer <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	AgriPharm	Beef Cattle	opht, Topical		
Nuflor® Injectable Solution 300 mg/mL <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Schering-Plough	Beef Cattle	I.M. S.C.	28d 38d	
Ocu-guard® MB	Boehringer Ingelheim	Beef Cattle	S.C.	21d	
OmniGard™ 4	Vedco	Beef Cattle	I.M.	21d	

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Once PMH®	Intervet	Beef Cattle	I.M.	21d	
One Shot®	Pfizer Animal Health	Beef Cattle	I.M., S.C.	21d	
One Shot Ultra™ 7	Pfizer Animal Health	Beef Cattle	S.C.	21d	
One Shot Ultra™ 8	Pfizer Animal Health	Beef Cattle	S.C.	21d	
Origin™ Lepto 5	AgriPharm	Beef Cattle	I.M.	21d	
Origin™ Somnumune	AgriPharm	Beef Cattle	I.M., S.C.	21d	
Origin™ Vibrio Lepto 5	AgriPharm	Beef Cattle	I.M.	21d	
OT 200	Vetus	Beef Cattle	I.M., I.V.	28d	
Oxy 500 Calf Bolus	Boehringer Ingelheim	Beef Cattle	Oral	0d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Oxy 1000 Calf Bolus	Boehringer Ingelheim	Beef Cattle	Oral	0d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Oxybiotic™-100	Butler	Beef Cattle	I.V.	19d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use on calves to be processed for veal.					
Oxybiotic™-200	Butler	Beef Cattle	I.M., I.V.	28d	
OxyCure™-100	Vedco	Beef Cattle	I.V.	22d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
OxyCure™ 200	Vedco	Beef Cattle	I.M., I.V.	28d	
Oxy-Mycin 10	AgriPharm	Beef Cattle	dw	5d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Oxy-Mycin® 100	AgriPharm	Beef Cattle	I.V.	22d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Oxy-Mycin® 200	AgriPharm	Beef Cattle	I.M.	28d	
Oxytetracycline Injection 200 mg/mL	Aspen	Beef Cattle	I.M., I.V., S.C.	28d	
Panacur® Beef and Dairy Cattle Dewormer	Intervet	Beef Cattle	Oral	8d	
Panacur® Cattle Dewormer	Intervet	Beef Cattle	Oral	8d	
Panacur® Cattle Dewormer (92 g)	Intervet	Beef Cattle	Oral	8d	
Papillomune™	Biomune	Beef Cattle	S.C.	21d	
Patriot™ Insecticide Cattle Ear Tags	Boehringer Ingelheim	Beef Cattle	Ear tags		
<i>Note:</i> Remove tags before slaughter.					
Pen-Aqueous®	AgriPharm	Beef Cattle	I.M.	10d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Pen-Aqueous	Durvet	Beef Cattle	I.M.	10d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Pen-G	Phoenix Pharmaceutical	Beef Cattle	I.M.	10d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Penicillin G Procaine Injectable Suspension	Butler	Beef Cattle	I.M.	4-7d	
Penicillin Injection	Vet Tek	Beef Cattle	I.M.	10d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Pennchlor™ 50	Durvet	Beef Cattle	In the feed	0-10d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. A withdrawal period is not required when used in growing cattle at a level of 70 mg/head/day or less. Withdraw from calves and beef cattle 10 days prior to slaughter when used at levels of 10 mg/lb body weight/day. Withdraw from cattle 2 days prior to slaughter when used at levels of 0.5 mg/lb body weight/day.					
Pennchlor 50•G	Durvet	Beef Cattle	In the feed	0-1d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. A withdrawal period is not required when used in growing cattle at a level of 70 mg/head/day or less. Withdraw from calves and beef cattle 1 day prior to slaughter when used at levels of 10 mg/lb body weight/day. Withdraw from cattle 1 day prior to slaughter when used at levels of 0.5 mg/lb body weight/day.					
Pennchlor 50•G®	PennField	Beef Cattle	In the feed	0-1d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. A withdrawal period is not required when used in growing cattle at a level of 70 mg/head/day or less. Withdraw from calves and beef cattle 1 day prior to slaughter when used at levels of 10 mg/lb body weight/day. Withdraw from cattle 1 day prior to slaughter when used at levels of 0.5 mg/lb body weight/day.					
Pennchlor™ 50 Meal	PennField	Beef Cattle	In the feed	0-1d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. A withdrawal period is not required when used in growing cattle at a level of 70 mg/head/day or less. Withdraw from calves and beef cattle 1 day prior to slaughter when used at levels of 10 mg/lb body weight/day. Withdraw from cattle 1 day prior to slaughter when used at levels of 0.5 mg/lb body weight/day.					
Pennchlor™ 64 Soluble Powder	PennField	Beef Cattle	dw, Oral	1d	
Pennchlor™ 70 Meal	PennField	Beef Cattle	In the feed	0-1d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. A withdrawal period is not required when used in growing cattle at a level of 70 mg/head/day or less. Withdraw from calves and beef cattle 1 day prior to slaughter when used at levels of 10 mg/lb body weight/day. Withdraw from cattle 1 day prior to slaughter when used at levels of 0.5 mg/lb body weight/day.					
Pennchlor 90•G®	PennField	Beef Cattle	In the feed	0-1d	
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. A withdrawal period is not required when used in growing cattle at a level of 70 mg/head/day or less. Withdraw from calves and beef cattle 1 day prior to slaughter when used at levels of 10 mg/lb body weight/day. Withdraw from cattle 1 day prior to slaughter when used at levels of 0.5 mg/lb body weight/day.					

Beef Cattle Withdrawal Time Chart
Withdrawal times listed correspond to label dosages only.

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Pennchlor 100 Hi-Flo™ Meal <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. A withdrawal period is not required when used in growing cattle at a level of 70 mg/head/day or less. Withdraw from calves and beef cattle 1 day prior to slaughter when used at levels of 10 mg/lb body weight/day. Withdraw from cattle 1 day prior to slaughter when used at levels of 0.5 mg/lb body weight/day.	PennField	Beef Cattle	In the feed	0-1d	
Pennchlor™ 100-MR <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. A withdrawal period is not required when fed at 0.1 mg/lb/day. Withdraw 10 days before slaughter when fed at 10 mg/lb/day.	PennField	Beef Cattle	In the feed	0-10d	
Pennchlor-S™ <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	PennField	Beef Cattle	In the feed	7d	
Pennox™ 50 <i>Note:</i> Withdraw from cattle 5 days before slaughter when used at a dose of 10 mg/lb body weight/day.	Durvet	Beef Cattle	In the feed	0-5d	
Pennox™ 50 Meal <i>Note:</i> Withdraw from cattle 5 days before slaughter when used at a dose of 10 mg/lb body weight/day.	PennField	Beef Cattle	In the feed	0-5d	
Pennox 100 Hi-Flo™ Meal <i>Note:</i> Withdraw from cattle 5 days before slaughter when used at a dose of 10 mg/lb body weight/day.	PennField	Beef Cattle	In the feed	0-5d	
Pennox™ 100-MR <i>Note:</i> Withdraw from calves 5 days before slaughter when used at a dose of 10 mg/lb body weight/day.	PennField	Beef Cattle	In the feed	0-5d	
Pennox 200 Hi-Flo™ Meal <i>Note:</i> Withdraw from cattle 5 days before slaughter when used at a dose of 10 mg/lb body weight/day.	PennField	Beef Cattle	In the feed	0-5d	
Pennox™ 200 Injectable	PennField	Beef Cattle	I.M., I.V., S.C.	28d	
Pennox™ 343 Soluble Powder	PennField	Beef Cattle	dw	5d	
P.H.M. Bac® 1	AgriLabs	Beef Cattle	I.M.	21d	
Piliguard® Pinkeye-1	Durvet	Beef Cattle	I.M., S.C.	60d	
Piliguard® Pinkeye-1 Trivalent	Schering-Plough	Beef Cattle	I.M., S.C.	60d	
Piliguard® Pinkeye + 7	Schering-Plough	Beef Cattle	S.C.	21d	
Piliguard® Pinkeye TriView®	Schering-Plough	Beef Cattle	I.M.	60d	
Pinkeye-3	Aspen	Beef Cattle	I.M., S.C.	21d	
Pinkeye Shield™ XT4	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Plazvax®	Schering-Plough	Beef Cattle	S.C.	60d	
Poly-Bac B® 3	Texas Vet Lab	Beef Cattle	S.C.	60d	
Poly-Bac B® Somnus	Texas Vet Lab	Beef Cattle	S.C.	60d	
Polyflex®	Fort Dodge	Beef Cattle	I.M.	6d	
Polyotic® Soluble Powder <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Fort Dodge	Beef Cattle	dw	4d	
Poly Serum®	Novartis (Farm Animal)	Beef Cattle	I.M., S.C.	21d	
Pre-Breed 6	Colorado Serum	Beef Cattle	I.M., S.C.	21d	
Pre-Breed 8	Colorado Serum	Beef Cattle	I.M., S.C.	21d	
Predef® 2X	Pharmacia & Upjohn	Beef Cattle	I.M.	7d	
PregGuard™ FP 9	Pfizer Animal Health	Beef Cattle	I.M.	21d	
PregGuard® GOLD FP™ 10	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Presponse® HM	Fort Dodge	Beef Cattle	I.M.	21d	
Presponse® SQ	Fort Dodge	Beef Cattle	S.C.	21d	
Pre-Vent 6™	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Prism® 5	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Prism® 10	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Privermectin™ Pour-On for Cattle	First Priority	Beef Cattle	Topical	48d	
Pro-Bac-C <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	AgriLabs	Beef Cattle	mr		
Prohibit® Soluble Drench Powder	AgriLabs	Beef Cattle	Oral	48h	
Prolate®/Lintox®-HD	Wellmark	Beef Cattle	Topical	3d	
ProMectin B™ Pour-On For Cattle	Vedco	Beef Cattle	Topical	48d	
ProMectin™ Injection for Cattle and Swine	Vedco	Beef Cattle	S.C.	35d	
Promycin™ 100 <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Pharmaceutical	Beef Cattle	I.V.	22d	
Pro-Pen-G™	Bimeda	Beef Cattle	I.M.	4-7d	
ProstaMate®	AgriLabs	Beef Cattle	I.M.	0d	
ProstaMate™	Aspen	Beef Cattle	I.M.	0d	
ProstaMate®	Butler	Beef Cattle	I.M.	0d	
ProstaMate®	Phoenix Pharmaceutical	Beef Cattle	I.M.	0d	
ProstaMate™	RXV	Beef Cattle	I.M.	0d	
ProstaMate™	Vedco	Beef Cattle	I.M.	0d	
ProstaMate®	Vet Tek	Beef Cattle	I.M.	0d	
ProstaMate®	Vetus	Beef Cattle	I.M.	0d	
ProSystem® Pilimune	Intervet	Beef Cattle	I.M., S.C.	21d	

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Proudsolf™	Creative Science	Beef Cattle	Topical		
<i>Note: Not for use on animals intended for food purposes.</i>					
Provomec™ Pour-On for Cattle	Pro Brands	Beef Cattle	Topical	48d	
Prozap® Dust'R™	Chem-Tech	Beef Cattle	Topical		0d
Pulmo-Guard™ MpB	Boehringer Ingelheim	Beef Cattle	S.C.	60d	
Pulmo-guard™ PH-M	Boehringer Ingelheim	Beef Cattle	S.C.	60d	
Pulmo-guard™ PHM-1	Boehringer Ingelheim	Beef Cattle	S.C.	60d	
Pulmo-guard™ PH-M/SDT	Boehringer Ingelheim	Beef Cattle	I.M., S.C.	60d	
Pyramid® 3	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Pyramid® 4	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Pyramid® 4 + Presponse® SQ	Fort Dodge	Beef Cattle	S.C.	21d	
Pyramid® 5	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Pyramid® 8	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Pyramid® 9	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Pyramid® IBR	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Pyramid® IBR+Lepto	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Quatracon-2X™	Boehringer Ingelheim	Beef Cattle	S.C.	21d	
Quick Shield™ IN IBR-PI3	Novartis (Farm Animal)	Beef Cattle	I.N., S.C.	21d	
Rabdomun® Vaccine	Schering-Plough	Beef Cattle	I.M.	21d	
Ralgro® Implants (Cattle)	Schering-Plough	Beef Cattle	Implant		
<i>Note: Not for use in lactating dairy animals.</i>					
Ralgro® Magnum™ Implants	Schering-Plough	Beef Cattle	Implant		
<i>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.</i>					
Rally™-20	Vedco	Beef Cattle	I.M., I.V.		4d
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Re-Covr® Injection	Fort Dodge	Beef Cattle	I.M., I.V.		4d
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
RELIANT® 3	Merial	Beef Cattle	I.M., S.C.	21d	
RELIANT® 4	Merial	Beef Cattle	I.M., S.C.	21d	
RELIANT® IBR	Merial	Beef Cattle	I.M., S.C.	21d	
RELIANT® IBR/BVD	Merial	Beef Cattle	I.M., S.C.	21d	
RELIANT® IBR/Lepto	Merial	Beef Cattle	I.M.	21d	
RELIANT® Plus BVD-K (Dual IBR™)	Merial	Beef Cattle	I.M.	21d	
RELIANT® Plus (Dual IBR™)	Merial	Beef Cattle	I.M., S.C.	21d	
Resist™ 7	AgriPharm	Beef Cattle	S.C.	21d	
Resist™ 7HS	AgriPharm	Beef Cattle	S.C.	21d	
Resist™ 8	AgriPharm	Beef Cattle	S.C.	21d	
Resist® Pinkeye	AgriPharm	Beef Cattle	I.M., S.C.	60d	
Respira-1	Colorado Serum	Beef Cattle	I.M.	21d	
Respira-3	Colorado Serum	Beef Cattle	I.M.	21d	
Respiragen Serum Antibodies	Colorado Serum	Beef Cattle	I.M., S.C.	21d	
RESPISHIELD™ 4	Merial	Beef Cattle	I.M., S.C.	21d	
RESPISHIELD™ 4 L5	Merial	Beef Cattle	I.M., S.C.	21d	
RESPISHIELD™ HM	Merial	Beef Cattle	S.C.	60d	
ResProMune® 4	AgriLabs	Beef Cattle	I.M., S.C.	21d	
ResProMune® 4+SomnuMune® (I.M., S.C.)	AgriLabs	Beef Cattle	I.M., S.C.	21d	
ResProMune® 5 I-B-P+BRSV	AgriLabs	Beef Cattle	I.M., S.C.	60d	
ResProMune® 5+L5	AgriLabs	Beef Cattle	S.C.	60d	
ResProMune® 5+L5 Somnus	AgriLabs	Beef Cattle	I.M.	60d	
ResProMune® 5+SomnuMune®	AgriLabs	Beef Cattle	I.M.	60d	
ResProMune® 5+VL5	AgriLabs	Beef Cattle	I.M.	60d	
ResProMune® 8	AgriLabs	Beef Cattle	I.M., S.C.	21d	
ResProMune™ 9	AgriLabs	Beef Cattle	I.M., S.C.	21d	
ResProMune™ 10	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Resvac® 4/Somubac®	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Resvac® BRSV/Somubac®	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Revalor®-200	Intervet	Beef Cattle	Implant		
<i>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not for use in dairy animals.</i>					
Revalor®-G	Intervet	Beef Cattle	Implant		
<i>Note: Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not for use in dairy animals.</i>					

Beef Cattle Withdrawal Time Chart
Withdrawal times listed correspond to label dosages only.

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Revalor®-H <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not for use in dairy animals.	Intervet	Beef Cattle	Implant		
Revalor®-IH <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not for use in dairy animals.	Intervet	Beef Cattle	Implant		
Revalor®-IS <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not for use in dairy animals.	Intervet	Beef Cattle	Implant		
Revalor®-S <i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food. Not for use in dairy animals.	Intervet	Beef Cattle	Implant		
Rumatel®	Phibro	Beef Cattle	In the feed	14d	
Rumensin® 80 <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Elanco	Beef Cattle	In the feed		
Saber™ Extra Insecticide Ear Tags <i>Note:</i> Remove tags before slaughter.	Schering-Plough	Beef Cattle	Ear tags		
Saber™ Pour-On Insecticide <i>Note:</i> Do not apply to lactating or dry dairy cows. Not recommended for use on veal calves.	Schering-Plough	Beef Cattle	Topical		
Safe-Guard® 20% Dewormer Type A Medicated Article	Intervet	Beef Cattle	In the feed	13d	
Safe-Guard® Beef and Dairy Cattle Dewormer (290 g)	Intervet	Beef Cattle	Oral	8d	
Safe-Guard® Cattle Dewormer (92 g)	Intervet	Beef Cattle	Oral	8d	
Safe-Guard® Dewormer for Beef & Dairy Cattle and Goats <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Intervet	Beef Cattle	Oral	8d	
Safe-Guard® Medicated Dewormer for Beef & Dairy Cattle, & Swine	Intervet	Beef Cattle	In the feed	13d	
Safe-Guard® Medicated Dewormer for Beef & Dairy Cattle (Flaked Meal)	Intervet	Beef Cattle	In the feed	13d	
Safe-Guard® Medicated Dewormer for Beef & Dairy Cattle (Soft Mini-Pellets)	Intervet	Beef Cattle	In the feed	13d	
Safe-Guard® Medicated Dewormer for Beef Cattle (20% Protein Block)	Intervet	Beef Cattle	Oral	16d	
Safe-Guard® Medicated Dewormer for Beef Cattle (En-Pro-Al® Molasses Block)	Intervet	Beef Cattle	Oral	11d	
Salix™ Injection 5%	Intervet	Beef Cattle	I.M., I.V.	48h	
Salmonella Dublin-Typhimurium Bacterin	Colorado Serum	Beef Cattle	S.C.	21d	
Salmo Shield® T	Novartis (Farm Animal)	Beef Cattle	I.M., S.C.	21d	
Salmo Shield® TD	Novartis (Farm Animal)	Beef Cattle	I.M., S.C.	21d	
Scour Bos™ 4	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Scour Bos™ 9	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
ScourGuard 3® (K)	Pfizer Animal Health	Beef Cattle	I.M.	21d	
ScourGuard 3® (K)/C	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Scour Vac™ 2K	Durvet	Beef Cattle	I.M.	60d	
Scour Vac™ 3K+C	Durvet	Beef Cattle	I.M.	60d	
Scour Vac™ 4	AgriLabs	Beef Cattle	I.M.	60d	
Scour Vac™ 9	AgriLabs	Beef Cattle	I.M.	60d	
Scour Vac™ E Coli + C	AgriLabs	Beef Cattle	I.M.	60d	
Scour Vax™ 4	AgriPharm	Beef Cattle	I.M.	60d	
Scour Vax™ 9	AgriPharm	Beef Cattle	I.M.	60d	
SDM Injection <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Pharmaceutical	Beef Cattle	I.V.	5d	
SDM Powder <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Bimeda	Beef Cattle	dw	7d	
SDM Solution <i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.	Phoenix Pharmaceutical	Beef Cattle	dw	7d	
SDT-Guard™	Boehringer Ingelheim	Beef Cattle	I.M., S.C.	60d	
Serpens Species Bacterin	Hygieia	Beef Cattle	S.C.	21d	
Siteguard® G	Schering-Plough	Beef Cattle	I.M., S.C.	21d	
Siteguard® MLG Vaccine	Schering-Plough	Beef Cattle	I.M., S.C.	21d	
Solu/Tet	Vedco	Beef Cattle	dw	5d	
SomnuMune®	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Somnu Shield™	Novartis (Farm Animal)	Beef Cattle	I.M., S.C.	21d	
Somubac®	Pfizer Animal Health	Beef Cattle	S.C.	21d	
Spirovac™	Pfizer Animal Health	Beef Cattle	S.C.	21d	
Spirovac® L5	Pfizer Animal Health	Beef Cattle	I.M., S.C.	21d	

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Spirovac® VL5	Pfizer Animal Health	Beef Cattle	I.M., S.C.	21d	
StayBred™ VL5	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Sterile Penicillin G Benzathine and Penicillin G Procaine	Aspen	Beef Cattle	S.C.	30d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sterile Penicillin G Procaine	Aspen	Beef Cattle	I.M.	4-7d	
Streptomycin Oral Solution	Contemporary Products	Beef Cattle	dw	2d	
Sulfadimethoxine Injection-40%	AgriPharm	Beef Cattle	I.V.	5d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadimethoxine Injection - 40%	Aspen	Beef Cattle	I.V.	5d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadimethoxine Injection - 40%	Butler	Beef Cattle	I.V.	5d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadimethoxine Injection-40%	Durvet	Beef Cattle	I.V.	5d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadimethoxine Injection-40%	Vedco	Beef Cattle	I.V.	5d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadimethoxine Oral Solution	AgriPharm	Beef Cattle	dw	7d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadimethoxine Oral Solution	Aspen	Beef Cattle	dw	7d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadimethoxine Oral Solution	Butler	Beef Cattle	dw	7d	
Sulfadimethoxine Oral Solution	Durvet	Beef Cattle	dw	7d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadimethoxine Soluble Powder	AgriPharm	Beef Cattle	dw	7d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadimethoxine Soluble Powder	Durvet	Beef Cattle	dw	7d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadimethoxine Soluble Powder	Vedco	Beef Cattle	dw	7d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfadived Oral Solution	Vedco	Beef Cattle	dw	7d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulfa-Max® III Calf Bolus	AgriLabs	Beef Cattle	Oral	12d	
Sulfa-Max® III Cattle Bolus	AgriLabs	Beef Cattle	Oral	12d	
Sulfasol	Med-Pharmex	Beef Cattle	dw	7d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Sulforal	Med-Pharmex	Beef Cattle	dw	7d	
Sulmet® Drinking Water Solution 12.5%	Fort Dodge	Beef Cattle	dw	10d	
Sulmet® Oblets®	Fort Dodge	Beef Cattle	Oral	10d	
Sulmet® Soluble Powder	Fort Dodge	Beef Cattle	dw	10d	
Super Poly-Bac B® Somnus	Texas Vet Lab	Beef Cattle	S.C.	60d	
Super-Tet® with Havlogen®	Intervet	Beef Cattle	I.M.	21d	
SupraSulfa III® Calf Bolus	AgriPharm	Beef Cattle	Oral	8d	
SupraSulfa III® Cattle Bolus	AgriPharm	Beef Cattle	Oral	8d	
Surround™ 4	Biocor	Beef Cattle	I.M., S.C.	21d	
Surround™ 4+HS	Biocor	Beef Cattle	I.M., S.C.	21d	
Surround™ 8	Biocor	Beef Cattle	I.M., S.C.	21d	
Surround™ 9	Biocor	Beef Cattle	I.M., S.C.	21d	
Surround™ 9+HS	Biocor	Beef Cattle	I.M., S.C.	21d	
Surround™ HS	Biocor	Beef Cattle	I.M., S.C.	21d	
Surround™ L5	Biocor	Beef Cattle	I.M., S.C.	21d	
Surround™ V-L5	Biocor	Beef Cattle	I.M., S.C.	21d	
Sustain III®	Durvet	Beef Cattle	Oral	12d	
Sustain III® Calf Bolus	Aspen	Beef Cattle	Oral	12d	
Sustain III® Calf Bolus	Bimeda	Beef Cattle	Oral	12d	
Sustain III® Calf Bolus	Durvet	Beef Cattle	Oral	12d	
Sustain III® Cattle Bolus	Aspen	Beef Cattle	Oral	12d	
Sustain III® Cattle Bolus	Bimeda	Beef Cattle	Oral	12d	
Synanthic® Bovine Dewormer Suspension, 9.06%	Fort Dodge	Beef Cattle	Oral	7d	
Synanthic® Bovine Dewormer Suspension, 22.5%	Fort Dodge	Beef Cattle	I.R., Oral	7d	
Synovex® C	Fort Dodge	Beef Cattle	Implant		
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.</i>					
Synovex® Choice	Fort Dodge	Beef Cattle	Implant		
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.</i>					

Beef Cattle Withdrawal Time Chart
Withdrawal times listed correspond to label dosages only.

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Synovex® H	Fort Dodge	Beef Cattle	Implant		
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.					
Synovex® Plus™	Fort Dodge	Beef Cattle	Implant		
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.					
Synovex® S	Fort Dodge	Beef Cattle	Implant		
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.					
Synovex® T40	Fort Dodge	Beef Cattle	Implant		
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.					
Synovex® T80	Fort Dodge	Beef Cattle	Implant		
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.					
Synovex® T120	Fort Dodge	Beef Cattle	Implant		
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.					
Taktic® E.C.	Intervet	Beef Cattle	Topical		0d
Terramycin® 10 TM-10®	Phibro	Beef Cattle	In the feed		5d
Terramycin-343® Soluble Powder	Pfizer Animal Health	Beef Cattle	dw		5d
Terramycin® Scours Tablets	Pfizer Animal Health	Beef Cattle	Oral		7d
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Terramycin® Soluble Powder	Pfizer Animal Health	Beef Cattle	dw		5d
Terra-Vet 100	Aspen	Beef Cattle	I.V.		22d
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Terra Vet Soluble Powder	Aspen	Beef Cattle	dw		5d
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Terra-Vet Soluble Powder 343	Aspen	Beef Cattle	dw		5d
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Tet-324	Phoenix Pharmaceutical	Beef Cattle	dw		5d
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Tet-324 Powder	Bimeda	Beef Cattle	dw		5d
Tetanus Antitoxin	Durvet	Beef Cattle	I.M., S.C.		21d
Tetanus Antitoxin	Fort Dodge	Beef Cattle	I.P., I.V., S.C.		21d
Tetanus Antitoxin, Equine Origin	Colorado Serum	Beef Cattle	I.M., S.C.		21d
Tetanus Antitoxin, Equine Origin	Professional Biological	Beef Cattle	I.M., S.C.		21d
Tetanus Toxoid-Concentrated	Colorado Serum	Beef Cattle	I.M.		21d
Tetanus Toxoid-Concentrated	Professional Biological	Beef Cattle	I.M., S.C.		21d
Tetanus Toxoid-Unconcentrated	Colorado Serum	Beef Cattle	I.M., S.C.		21d
Tetguard™	Boehringer Ingelheim	Beef Cattle	I.M., S.C.		21d
Tetni-Vax®	AgriPharm	Beef Cattle	S.C.		21d
Tetra Bac 324	AgriLabs	Beef Cattle	dw		5d
Tetracycline Hydrochloride Soluble Powder-324	Butler	Beef Cattle	dw		5d
Tetracycline Hydrochloride Soluble Powder-324	Vedco	Beef Cattle	dw		5d
Tetracycline Soluble Powder 324	AgriPharm	Beef Cattle	dw		5d
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
TETRADURE™ 300	Merial	Beef Cattle	I.M., I.V., S.C.		28d
Tetrasol Soluble Powder	Med-Pharmex	Beef Cattle	dw		5d
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Tet-Sol 10	Alpharma	Beef Cattle	dw		5d
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Tet-Sol™ 324	Alpharma	Beef Cattle	dw		5d
<i>Note:</i> A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.					
Titanium™ 3	AgriLabs	Beef Cattle	I.M., S.C.		21d
Titanium® 3	Intervet	Beef Cattle	I.M., S.C.		21d
Titanium® 3+BRSV	Intervet	Beef Cattle	I.M., S.C.		21d
Titanium® 3+BRSV LP	Intervet	Beef Cattle	I.M., S.C.		21d
Titanium™ 4	AgriLabs	Beef Cattle	I.M., S.C.		21d
Titanium™ 4 L5	AgriLabs	Beef Cattle	I.M., S.C.		21d
Titanium™ 5	AgriLabs	Beef Cattle	I.M., S.C.		21d
Titanium® 5	Intervet	Beef Cattle	I.M., S.C.		21d
Titanium™ 5 L5	AgriLabs	Beef Cattle	I.M., S.C.		21d
Titanium® 5 L5	Intervet	Beef Cattle	I.M., S.C.		21d
Titanium® 5+P.H.M. Bac®-1	AgriLabs	Beef Cattle	I.M.		21d
Titanium® 5+P.H.M. Bac®-1	Intervet	Beef Cattle	I.M.		21d
Titanium® BRSV	Intervet	Beef Cattle	I.M., S.C.		21d

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Titanium™ BRSV 3	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Titanium® BRSV 3	Intervet	Beef Cattle	I.M., S.C.	21d	
Titanium™ IBR	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Titanium® IBR	Intervet	Beef Cattle	I.M., S.C.	21d	
Titanium™ IBR-LP	AgriLabs	Beef Cattle	I.M., S.C.	21d	
TiterVac™ 5	Aspen	Beef Cattle	I.M.	21d	
TiterVac™ 5-HS	Aspen	Beef Cattle	I.M.	21d	
TiterVac™ 10	Aspen	Beef Cattle	I.M.	21d	
TiterVac™ 10-HS	Aspen	Beef Cattle	I.M.	21d	
Top Line™	AgriLabs	Beef Cattle	Topical	48d	
Trep Shield™ HW	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Triangle® 1 + Type II BVD	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Triangle® 3 V5L	Fort Dodge	Beef Cattle	S.C.	60d	
Triangle® 4 + HS	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Triangle® 4 + PH/HS	Fort Dodge	Beef Cattle	S.C.	21d	
Triangle® 4 + PH-K	Fort Dodge	Beef Cattle	S.C.	21d	
Triangle® 4 + Type II BVD	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
Triangle® 9+HS	Fort Dodge	Beef Cattle	I.M.	21d	
Triangle® 9 + PH-K	Fort Dodge	Beef Cattle	S.C.	21d	
Triangle® 9 + Type II BVD	Fort Dodge	Beef Cattle	I.M., S.C.	21d	
TrichGuard®	Fort Dodge	Beef Cattle	S.C.	60d	
TrichGuard® V5L	Fort Dodge	Beef Cattle	S.C.	60d	
Trienamine™	Phoenix Pharmaceutical	Beef Cattle	I.M., I.V.	4d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Tripelennamine Hydrochloride	AgriLabs	Beef Cattle	I.M., I.V.	4d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Tripelennamine Hydrochloride	Aspen	Beef Cattle	I.M., I.V.	4d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Tripelennamine Hydrochloride	Vet Tek	Beef Cattle	I.M., I.V.	4d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Tripelennamine Hydrochloride Injection	Butler	Beef Cattle	I.M., I.V.	4d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Triple Histamine	RXV	Beef Cattle	I.M., I.V.	4d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
TriVib 5L®	Fort Dodge	Beef Cattle	S.C.	60d	
TrustGard™ 5L	Vedco	Beef Cattle	I.M.	21d	
TrustGard™ 7	Vedco	Beef Cattle	S.C.	21d	
TrustGard™ 7/HS	Vedco	Beef Cattle	S.C.	21d	
TrustGard™ 8	Vedco	Beef Cattle	S.C.	21d	
TrustGard™ CD	Vedco	Beef Cattle	S.C.	21d	
TrustGard™ CD/T	Vedco	Beef Cattle	S.C.	21d	
TrustGard™ MB	Vedco	Beef Cattle	S.C.	21d	
TrustGard™ Vibrio/5L	Vedco	Beef Cattle	I.M.	21d	
TSV-2®	Pfizer Animal Health	Beef Cattle	I.N.	21d	
Twin-Pen®	AgriLabs	Beef Cattle	S.C.	30d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Tylan® 50 Injection	Elanco	Beef Cattle	I.M.	21d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Tylan® 200 Injection	Elanco	Beef Cattle	I.M.	21d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Tylosin	AgriPharm	Beef Cattle	I.M.	21d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Tylosin Injection	Aspen	Beef Cattle	I.M.	21d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Tylosin Injection	Boehringer Ingelheim	Beef Cattle	I.M.	21d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
TyloVed Injection	Vedco	Beef Cattle	I.M.	21d	
<i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>					
Ultrabac® 7	Pfizer Animal Health	Beef Cattle	S.C.	21d	
Ultrabac® 7/Somubac®	Pfizer Animal Health	Beef Cattle	S.C.	21d	
Ultrabac® 8	Pfizer Animal Health	Beef Cattle	S.C.	21d	
Ultrabac® CD	Pfizer Animal Health	Beef Cattle	S.C.	21d	
UltraChoice™ 7	Pfizer Animal Health	Beef Cattle	S.C.	21d	
UltraChoice™ 8	Pfizer Animal Health	Beef Cattle	S.C.	21d	
UltraChoice™ CD	Pfizer Animal Health	Beef Cattle	S.C.	21d	

Beef Cattle Withdrawal Time Chart
Withdrawal times listed correspond to label dosages only.

Product Name	Company Name	Species	Route of Administration	Meat	Milk
UltraPen B™ MicroSuspension® II Sterile Penicillin G Benzathine and Penicillin G Procaine <i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>	G.C. Hanford	Beef Cattle	S.C.	30d	
UltraPen™ MicroSuspension® II Sterile Penicillin G Procaine <i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>	G.C. Hanford	Beef Cattle	I.M.	10d	
U.S. Vet® MicroSuspension® II Sterile Penicillin G Benzathine and Penicillin G Procaine <i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>	G.C. Hanford	Beef Cattle	S.C.	30d	
U.S. Vet® MicroSuspension® II Sterile Penicillin G Procaine <i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>	G.C. Hanford	Beef Cattle	I.M.	10d	
Valbazen® Cattle Dewormer Paste	Pfizer Animal Health	Beef Cattle	Oral	27d	
Valbazen® Suspension	Pfizer Animal Health	Beef Cattle	Oral	27d	
Vapona® Concentrate Insecticide	Boehringer Ingelheim	Beef Cattle	Topical	1d	
VedaGesic™ <i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>	Vedco	Beef Cattle	I.V.	4d	
Vetamectin-CS Injectable	Vetus	Beef Cattle	S.C.	35d	
Vetisulid® Injection <i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>	Fort Dodge	Beef Cattle	I.V.	5d	
Vetisulid® Powder <i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>	Fort Dodge	Beef Cattle	dw	7d	
Vibralone™-L5	Intervet	Beef Cattle	I.M.	21d	
Vibrin®	Pfizer Animal Health	Beef Cattle	S.C.	60d	
Vibrio-Lepto 5	AgriLabs	Beef Cattle	I.M., S.C.	21d	
Vibrio-Lepto-5™	Boehringer Ingelheim	Beef Cattle	I.M.	21d	
Vibrio-Lepto 5	Durvet	Beef Cattle	I.M., S.C.	21d	
Vibrio Lepto 5 (oil base)	Aspen	Beef Cattle	I.M.	60d	
Vibrio-Lepto 5 Vaccine	Aspen	Beef Cattle	I.M., S.C.	21d	
Vibrio/Leptoform-5™	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Vib Shield® L5	Novartis (Farm Animal)	Beef Cattle	I.M.	21d	
Vib Shield® Plus	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Vib Shield® Plus L5	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Vira Shield® 2	Novartis (Farm Animal)	Beef Cattle	I.M., S.C.	60d	
Vira Shield® 2+BRSV	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 3	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 3+VL5	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 4	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Vira Shield® 4+L5	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 5	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 5+L5	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 5+L5 Somnus	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Vira Shield® 5+Somnus	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Vira Shield® 5+VL5	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 5+VL5 Somnus	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Vira Shield® 6	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 6+Somnus	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Vision® 7 Somnus with Spur®	Intervet	Beef Cattle	S.C.	21d	
Vision® 7 with Spur®	Intervet	Beef Cattle	S.C.	21d	
Vision® 8 Somnus with Spur®	Intervet	Beef Cattle	S.C.	21d	
Vision® 8 with Spur®	Intervet	Beef Cattle	S.C.	21d	
Vision® CD•T with Spur®	Intervet	Beef Cattle	S.C.	21d	
Vision® CD with Spur®	Intervet	Beef Cattle	S.C.	21d	
Vita Boost Paste™	AgriLabs	Beef Cattle	Oral	0d	
Vita Ferm® Milk-N-More Medicated Milk Replacer with Neo/OTC <i>Note: A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.</i>	BioZyme	Beef Cattle	Oral	30d	
Vita-Jec® A & D "500"	AgriPharm	Beef Cattle	I.M.	60d	
Vitamin AD3	AgriLabs	Beef Cattle	I.M.	60d	
Vitamin A & D "500"	AgriPharm	Beef Cattle	I.M.	60d	
Vitamin A D B12 Injection	Vedco	Beef Cattle	I.M.	60d	
Vitamin AD3 Injection	Bimeda	Beef Cattle	I.M.	60d	
Vitamin A D Injection	Durvet	Beef Cattle	I.M., S.C.	60d	
Vitamin AD Injection	Phoenix Pharmaceutical	Beef Cattle	I.M., S.C.	60d	
VL5-1X	Durvet	Beef Cattle	I.M.	21d	

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
VL5-1X Plus™	Durvet	Beef Cattle	I.M.	60d	
Volar®	Intervet	Beef Cattle	I.M., S.C.	21d	
Wart Shield™	Novartis (Farm Animal)	Beef Cattle	S.C.	21d	
Wart-Vac	Durvet	Beef Cattle	S.C.	21d	
Wart Vaccine	AgriLabs	Beef Cattle	S.C.	21d	
Wart Vaccine	Colorado Serum	Beef Cattle	S.C.	21d	