



Florida Cow-Calf and Stocker Beef Safety and Quality Assurance Handbook: Beef Withdrawal Time Chart¹

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This section contains 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.

- All sections of the handbook are listed at http://edis.ifas.ufl.edu/TOPIC_BOOK_BSQA

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Beef Cattle Withdrawal Time Chart

This chart uses data from the **Compendium of Veterinary Products** database, June 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.

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For the most current Withdrawal times refer to product label

Withdrawal Time Chart Abbreviations

aer/sp	aerosol spray	I.M.M.	intramammary	I.V.	intravenous
		I.N.	intranasal	mr	milk replacer
dw	drinking water	I.O.	intra-ocular	S.C.	subcutaneous
Epdl.	epidural	I.P.	intraperitoneal		
Imsn.	by immersion	I.R.	intraruminal		
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		

Refer to product label for more complete information

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-7/MB™-1	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.					

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
AmTech ProstaMate®	Phoenix Scientific	Beef Cattle	I.M.	0d	
AmTech Sulfadimethoxine 12.5% Oral Solution	Phoenix Scientific	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.					
AmTech Sulfadimethoxine Injection - 40%	Phoenix Scientific	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.					
AmTech Sulfadimethoxine Soluble Powder	Phoenix Scientific	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.					
AmTech Tetracycline Hydrochloride Soluble Powder-324	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 Tripelennamine Hydrochloride Injection	Phoenix Scientific	Beef Cattle	I.M., 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.					
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	Neogen	Beef Cattle	Oral		
<i>Note:</i> Not for use in food-producing animals.					
Atroban® 42.5% EC	Schering-Plough	Beef Cattle	Topical	0d	
Atroban® Extra Insecticide Ear Tags	Schering-Plough	Beef Cattle	Ear tags		
<i>Note:</i> Remove tags before slaughter.					
Aureomycin® 50 Granular	Alpharma	Beef Cattle	In the feed		
<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.					
Aureomycin® 90 Granular	Alpharma	Beef Cattle	In the feed		
<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.					
Aureomycin® 100 Granular	Alpharma	Beef Cattle	In the feed		
<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.					
Aureomycin® Soluble Powder	Fort Dodge	Beef Cattle	dw	24h	
<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.					
Aureomycin® Soluble Powder Concentrate	Fort Dodge	Beef Cattle	dw, Oral	24h	
<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.					
Aureo S 700® Granular 10G	Alpharma	Beef Cattle	In the feed	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.					
Aureo S 700® Granular 35G	Alpharma	Beef Cattle	In the feed	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.					
Azium® Powder	Schering-Plough	Beef Cattle	Feed, Oral		
<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.					
Azium® Solution	Schering-Plough	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.					
Banamine® Injectable Solution	Schering-Plough	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.					
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	Bayer Animal Health	Beef Cattle	S.C.	28d	
<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.					
Bio-Mycin® 200	Boehringer Ingelheim	Beef Cattle	I.M., S.C.	28d	
Bio-Mycin® C	Boehringer Ingelheim	Beef Cattle	I.M.	18d	
<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.					
Biosol® Liquid	Pharmacia & Upjohn	Beef Cattle	dw, In the feed, Oral	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.					
Bloat Release	AgriLabs	Beef Cattle	Oral	3d	
Bloat Treatment	AgriPharm	Beef Cattle	Oral	3d	
Blood Stop Powder	AgriLabs	Beef Cattle	Topical		
<i>Note:</i> Not for use on animals intended for food purposes.					

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

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Blue Lotion	Farnam	Beef Cattle	Topical		
<i>Note:</i> Not for use on animals intended for food purposes.					
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	
Bovatec® 68	Alpharma	Beef Cattle	In the feed		
<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.					
Bovatec® 150 FP	Alpharma	Beef Cattle	In the feed		
<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.					
Bovatec® Liquid 20	Alpharma	Beef Cattle	In the feed		
<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.					
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-PI ₃ -BRSV	Pfizer Animal Health	Beef Cattle	I.M.	21d	
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	
Cattlyst® 50	Alpharma	Beef Cattle	In the feed		
<i>Note:</i> Not for use in animals intended for breeding					

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
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	
ChlorMax® 50	Alpharma	Beef Cattle	In the feed In the feed, mr	24h 48h	
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.					
Clean-up™ Pour-on Insecticide with IGR	Boehringer Ingelheim	Beef Cattle	Topical		0d
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	
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.					
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		
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.					
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	
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.					
Component® E-C	VetLife	Beef Cattle	Implant		
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. Not to be used in animals intended for subsequent breeding, or in dairy animals.					
Component® E-C with Tylan®	VetLife	Beef Cattle	Implant		
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. Not to be used in animals intended for subsequent breeding, or in dairy animals.					
Component® E-H	VetLife	Beef Cattle	Implant		
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. Not to be used in animals intended for subsequent breeding, or in dairy animals.					
Component® E-H with Tylan®	VetLife	Beef Cattle	Implant		
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. Not to be used in animals intended for subsequent breeding, or in dairy animals.					
Component® E-S	VetLife	Beef Cattle	Implant		
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. Not to be used in animals intended for subsequent breeding, or in dairy animals.					
Component® E-S with Tylan®	VetLife	Beef Cattle	Implant		
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. Not to be used in animals intended for subsequent breeding, or in dairy animals.					
Component® TE-200	VetLife	Beef Cattle	Implant		
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. Not to be used in animals intended for subsequent breeding, or in dairy animals.					
Component® TE-G	VetLife	Beef Cattle	Implant		
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. Not to be used in animals intended for subsequent breeding, or in dairy animals.					

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-G with Tylan® <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. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® TE-H <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. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® TE-H with Tylan® <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. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® TE-IH <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. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® TE-IH with Tylan® <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. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® TE-IS <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. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® TE-IS with Tylan® <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. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® TE-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. 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> 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. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Component® T-H <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. 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> 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. Not to be used in animals intended for subsequent breeding, or in dairy animals.	VetLife	Beef Cattle	Implant		
Compudose® <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.	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® (coumaphos) Fly and Tick Spray	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

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
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	
Cydetin® Pour-On	Fort Dodge	Beef Cattle	Topical	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.					
CyLence® Ultra Insecticide Cattle Ear Tag	Bayer Animal Health	Beef Cattle	Ear tags		
<i>Note:</i> Remove tags before slaughter.					
Dectomax® Injectable Solution	Pfizer Animal Health	Beef Cattle	I.M., S.C.	35d	
<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.					
Dectomax® Pour-On	Pfizer Animal Health	Beef Cattle	Topical	45d	
<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.					
Defensor® 3	Pfizer Animal Health	Beef Cattle	I.M.	21d	
Del-Phos® Emulsifiable Liquid Insecticide	Schering-Plough	Beef Cattle	Topical	3d	
Dexaject	Vetus	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.					
Dexamethasone Injection 2 mg/mL	Sparhawk	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.					
Dexamethasone Solution	AgriLabs	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.					
Dexamethasone Solution	Aspen	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.					
Dexamethasone Solution	Butler	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.					
Dexamethasone Solution	Phoenix Pharmaceutical	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.					
Dexamethasone Solution 2 mg	Vet Tek	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.					
Dexasone	RXV	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.					
Dexium™ Injection	Bimeda	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.					
Di-Methox® 12.5% Oral Solution	AgriLabs	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.					
Di-Methox® Injection-40%	AgriLabs	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.					
Di-Methox® Soluble Powder	AgriLabs	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.					
Dominator® Insecticide Ear Tags	Schering-Plough	Beef Cattle	Ear tags		
<i>Note:</i> Remove tags before slaughter.					
Double Barrel™ VP Insecticide Ear Tags	Schering-Plough	Beef Cattle	Ear tags		
<i>Note:</i> Remove tags before slaughter.					
Double Impact™	AgriLabs	Beef Cattle	S.C.	35d	
Dual-Cillin™	Phoenix Pharmaceutical	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.					
Duo-Pen®	AgriPharm	Beef Cattle	S.C.	30d	
DURALEASE™	Merial	Beef Cattle	S.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. Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.					
Duramycin 10	Durvet	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.					
Duramycin 72-200	Durvet	Beef Cattle	I.M., I.V., S.C.	28d	
Duramycin-100	Durvet	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.					
Duramycin 324	Durvet	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.					
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™ 5HS+VL5	Durvet	Beef Cattle	I.M.	60d	
DurGuard™ 10	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	0d
E-Coli + C Antibody	AgriPharm	Beef Cattle	Oral	21d	

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

Product Name	Company Name	Species	Route of Administration	Meat	Milk
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	Boehringer Ingelheim	Beef Cattle	Ear tags		
<i>Note: Remove tags before slaughter.</i>					
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	
Encore®	VetLife	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.</i>					
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	
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™ 6	AgriPharm	Beef Cattle	S.C.	60d	
Exalt™ 6 + L5	AgriPharm	Beef Cattle	I.M.	60d	
Exalt™ 6+Somnus	AgriPharm	Beef Cattle	I.M.	60d	
Exalt™ 6 + VL5	AgriPharm	Beef Cattle	I.M.	60d	
Excede™ Sterile Suspension	Pfizer Animal Health	Beef Cattle	S.C.	0d	
<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>					
Excenel® RTU	Pharmacia & Upjohn	Beef Cattle	I.M., S.C.	2d	
<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>					
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® I/Lp	Boehringer Ingelheim	Beef Cattle	I.M.	21d	
Factrel®	Fort Dodge	Beef Cattle	I.M.	0d	
Finaplix®-H	Intervet	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. Not to be used in animals intended for subsequent breeding, or in dairy animals.</i>					
FluMeglumine®	Phoenix Pharmaceutical	Beef Cattle	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>					
Flu-Nix™	AgriLabs	Beef Cattle	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>					
Flunixinamine™	Fort Dodge	Beef Cattle	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>					
Flunixin Meglumine	Vet Tek	Beef Cattle	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>					
Flunixin Meglumine Injection	Butler	Beef Cattle	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>					
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	
Fresh-Start Gel™	Bimeda	Beef Cattle	Oral	0d	
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	

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
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	
IMRAB® Large Animal	Merial	Beef Cattle	I.M., S.C.	21d	
InstaVac™ Intranasal IBR-PI ₃	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	
<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.					
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	
<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.					
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.					
J5 Shield™	Novartis (Farm Animal)	Beef Cattle	I.M., S.C.	21d	
J-5 Escherichia Coli Bacterin	Hygieia	Beef Cattle	S.C.	42d	
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	
J-VAC®	Merial	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 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	
Leptoform-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	
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	

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

Product Name	Company Name	Species	Route of Administration	Meat	Milk
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	
Note: 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	
Neo-325 Soluble Powder (Ag. & Com. Grades)	Bimeda	Beef Cattle	dw	1d	
NeoGuard™	Intervet	Beef Cattle	S.C.	21d	
Neomix® 325 Soluble Powder	Pharmacia & Upjohn	Beef Cattle	dw	1d	
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.					
Neomix® AG 325 Medicated Premix	Pharmacia & Upjohn	Beef Cattle	In the feed, mr	1d	
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.					
Neomix® AG 325 Soluble Powder	Pharmacia & Upjohn	Beef Cattle	dw	1d	
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.					
Neomycin 200	Aspen	Beef Cattle	dw	1d	
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.					
Neomycin 325	AgriLabs	Beef Cattle	dw	1d	
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.					
Neomycin 325	Durvet	Beef Cattle	dw	1d	
Note: 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.					
Neomycin Oral Solution	AgriLabs	Beef Cattle	dw	1d	
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.					
Neomycin Oral Solution	Durvet	Beef Cattle	dw	1d	
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.					
Neomycin Oral Solution	Phoenix Pharmaceutical	Beef Cattle	dw	1d	
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.					
Neo-Oxy 10/5 Meal	PennField	Beef Cattle Beef Cattle	In the feed mr	0-30d 30d	
Note: 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 .					
Neo-Oxy 10/10 Meal	PennField	Beef Cattle Beef Cattle	In the feed mr	0-30d 30d	
Note: 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 .					
Neo-Oxy 50/50 Meal	PennField	Beef Cattle Beef Cattle	In the feed mr	0-30d 30d	
Note: 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 .					
Neo-Oxy 100/50 Meal	PennField	Beef Cattle Beef Cattle	In the feed mr	0-30d 30d	
Note: 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 .					
Neo-Oxy 100/50 MR	PennField	Beef Cattle	mr	30d	
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.					
Neo-Oxy 100/100 Meal	PennField	Beef Cattle Beef Cattle	In the feed mr	0-30d 30d	
Note: 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 .					
Neo-Sol® 50	Alpharma	Beef Cattle	dw	1d	
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.					
Neosol-Oral	Med-Pharmex	Beef Cattle	dw	1d	
Note: Not to be used in veal calves.					
Neosol Soluble Powder	Med-Pharmex	Beef Cattle	dw	30d	
Note: Not to be used in veal calves.					
Neo-Terramycin® 50/50	Phibro	Beef Cattle	In the feed	0-7d	
Note: 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.					

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

Product Name	Company Name	Species	Route of Administration	Meat	Milk
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	mr	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		
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.	28d	
		Beef Cattle	I.M., S.C.	38d	
Ocu-guard® MB	Boehringer Ingelheim	Beef Cattle	S.C.	21d	
Ocu-guard® MB-1	Boehringer Ingelheim	Beef Cattle	S.C.	21d	
OmniGard™ 4	Vedco	Beef Cattle	I.M.	21d	
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	
Optaflexx™ 45 <i>Note:</i> Not for use in animals intended for breeding	Elanco	Beef Cattle	In the feed		
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 <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.	Boehringer Ingelheim	Beef Cattle	Oral	0d	
Oxybiotic™-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.	Butler	Beef Cattle	I.V.	22d	
Oxybiotic™-200	Butler	Beef Cattle	I.M., I.V., S.C.	28d	
OxyCure™-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.	Vedco	Beef Cattle	I.V.	22d	
OxyCure™ 200	Vedco	Beef Cattle	I.M., I.V.	28d	
Oxy-Mycin 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.	AgriPharm	Beef Cattle	dw	5d	
Oxy-Mycin® 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	I.V.	22d	
Oxy-Mycin® 200	AgriPharm	Beef Cattle	I.M.	28d	
Oxy-Tet™ 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.	Boehringer Ingelheim	Beef Cattle	I.M.	18d	
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	
Parid LA Injection	Butler	Beef Cattle	S.C.	35d	
Patriot™ Insecticide Cattle Ear Tags <i>Note:</i> Remove tags before slaughter.	Boehringer Ingelheim	Beef Cattle	Ear tags		
Pen-Aqueous® <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	I.M.	10d	
Pen-Aqueous <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.M.	10d	
Pen-G <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.	10d	
Penicillin G Procaine Injectable Suspension	Butler	Beef Cattle	I.M.	4-7d	
Penicillin 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.	Vet Tek	Beef Cattle	I.M.	10d	
Pennchlor™ 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. 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.	Durvet	Beef Cattle	In the feed	1d	
		Beef Cattle	In the feed	0-1d	
		Beef Cattle	In the feed	0d	

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

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Pennchlor 50•G	Durvet	Beef Cattle	In the feed	1d	
		Beef Cattle	In the feed	0d	
		Beef Cattle	In the feed	0-1d	
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. 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	1d	
		Beef Cattle	In the feed	0-1d	
		Beef Cattle	In the feed	0d	
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. 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	1d	
		Beef Cattle	In the feed	0-1d	
		Beef Cattle	In the feed	0d	
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. 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	1d	
		Beef Cattle	In the feed	0-1d	
		Beef Cattle	In the feed	0d	
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. 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	1d	
		Beef Cattle	In the feed	0-1d	
		Beef Cattle	In the feed	0d	
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. 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 100 Hi-Flo™ Meal	PennField	Beef Cattle	In the feed	1d	
		Beef Cattle	In the feed	0d	
		Beef Cattle	In the feed	0-1d	
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. 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™ 100-MR	PennField	Beef Cattle	In the feed, mr	10d	
		Beef Cattle	In the feed, mr	0d	
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. 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 .					
Pennchlor-S™	PennField	Beef Cattle	In the feed	7d	
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.					
Pennox™ 50	Durvet	Beef Cattle	In the feed	0-5d	
Note: Withdraw from cattle 5 days before slaughter when used at a dose of 10 mg/lb body weight/day .					
Pennox™ 50 Meal	PennField	Beef Cattle	In the feed	0-5d	
Note: Withdraw from cattle 5 days before slaughter when used at a dose of 10 mg/lb body weight/day .					
Pennox 100 Hi-Flo™ Meal	PennField	Beef Cattle	In the feed	0-5d	
Note: Withdraw from cattle 5 days before slaughter when used at a dose of 10 mg/lb body weight/day .					
Pennox™ 100-MR	PennField	Beef Cattle	In the feed, mr	0-5d	
Note: Withdraw from calves 5 days before slaughter when used at a dose of 10 mg/lb body weight/day .					
Pennox 200 Hi-Flo™ Meal	PennField	Beef Cattle	In the feed	0-5d	
Note: Withdraw from cattle 5 days before slaughter when used at a dose of 10 mg/lb body weight/day .					
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	

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Polyotic® Soluble Powder	Fort Dodge	Beef Cattle	dw	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.					
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	AgriLabs	Beef Cattle	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.					
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	Phoenix Pharmaceutical	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.					
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	
Proudsoff™	Creative Science	Beef Cattle	Topical		
<i>Note:</i> Not for use on animals intended for food purposes.					
Provomec™ Pour-On for Cattle	Pro Brands	Beef Cattle	Topical	48d	
Prozap® Dust'R™	Chem-Tech	Beef Cattle	Topical	0d	
Prozap® Zipcide®	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	
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:</i> Not for use in lactating dairy animals.					
Ralgro® Magnum™ Implants	Schering-Plough	Beef Cattle	Implant		
<i>Note:</i> Implant in the ear only. Do not attempt to salvage the implanted ear for human or animal food.					
Rally™-20	Vedco	Beef Cattle	I.M., 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.					
Re-Covr® Injection	Fort Dodge	Beef Cattle	I.M., 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.					
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	

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

Product Name	Company Name	Species	Route of Administration	Meat	Milk
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		
	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. Not to be used in animals intended for subsequent breeding, or in dairy animals.				
Revalor®-G	Intervet	Beef Cattle	Implant		
	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. Not to be used in animals intended for subsequent breeding, or in dairy animals.				
Revalor®-H	Intervet	Beef Cattle	Implant		
	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. Not to be used in animals intended for subsequent breeding, or in dairy animals.				
Revalor®-IH	Intervet	Beef Cattle	Implant		
	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. Not to be used in animals intended for subsequent breeding, or in dairy animals.				
Revalor®-IS	Intervet	Beef Cattle	Implant		
	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. Not to be used in animals intended for subsequent breeding, or in dairy animals.				
Revalor®-S	Intervet	Beef Cattle	Implant		
	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. Not to be used in animals intended for subsequent breeding, or in dairy animals.				
Rumatel®	Phibro	Beef Cattle	In the feed	14d	
Rumensin® 80	Elanco	Beef Cattle	In the feed		
	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.				
Saber™ Extra Insecticide Ear Tags	Schering-Plough	Beef Cattle	Ear tags		
	Note: Remove tags before slaughter.				
Saber™ Pour-On Insecticide	Schering-Plough	Beef Cattle	Topical		
	Note: Do not apply to lactating or dry dairy cows. Not recommended for use on veal calves.				
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	Intervet	Beef Cattle	Oral	8d	
	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.				
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	

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Safe-Guard® Medicated Dewormer for Beef Cattle (20% Protein Block)	Intervet	Beef Cattle	Oral	16d	
Safe-Guard® Medicated Dewormer for Beef Cattle (En-Pro-AI® 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® 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	Phoenix Pharmaceutical	Beef Cattle	I.V.	5d	
	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.				
SDM Powder	Bimeda	Beef Cattle	dw	7d	
	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.				
SDM Solution	Phoenix Pharmaceutical	Beef Cattle	dw	7d	
	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.				
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	
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	
	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.				
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	
	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.				
Sulfadimethoxine Injection - 40%	Aspen	Beef Cattle	I.V.	5d	
	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.				
Sulfadimethoxine Injection - 40%	Butler	Beef Cattle	I.V.	5d	
	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.				
Sulfadimethoxine Injection-40%	Durvet	Beef Cattle	I.V.	5d	
	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.				
Sulfadimethoxine Injection-40%	Vedco	Beef Cattle	I.V.	5d	
	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.				
Sulfadimethoxine Oral Solution	AgriPharm	Beef Cattle	dw	7d	
	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.				
Sulfadimethoxine Oral Solution	Aspen	Beef Cattle	dw	7d	
	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.				
Sulfadimethoxine Oral Solution	Butler	Beef Cattle	dw	7d	
Sulfadimethoxine Oral Solution	Durvet	Beef Cattle	dw	7d	
	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.				
Sulfadimethoxine Soluble Powder	AgriPharm	Beef Cattle	dw	7d	
	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.				
Sulfadimethoxine Soluble Powder	Durvet	Beef Cattle	dw	7d	
	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.				
Sulfadimethoxine Soluble Powder	Vedco	Beef Cattle	dw	7d	
	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.				
Sulfadived Oral Solution	Vedco	Beef Cattle	dw	7d	
	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.				

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

Product Name	Company Name	Species	Route of Administration	Meat	Milk
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:</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.				
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:</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® Choice	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® 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	

Withdrawal times listed correspond to label dosages only.

Beef Cattle Withdrawal Time Chart

Product Name	Company Name	Species	Route of Administration	Meat	Milk
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., 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	
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:</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.					
Tripelennamine Hydrochloride	AgriLabs	Beef Cattle	I.M., 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.					
Tripelennamine Hydrochloride	Aspen	Beef Cattle	I.M., 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.					
Tripelennamine Hydrochloride	Vet Tek	Beef Cattle	I.M., 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.					

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

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Tripelennamine Hydrochloride 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>	Butler	Beef Cattle	I.M., I.V.	4d	
Triple Histamine <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>	RXV	Beef Cattle	I.M., I.V.	4d	
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® <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>	AgriLabs	Beef Cattle	S.C.	30d	
Tylan® 50 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>	Elanco	Beef Cattle	I.M.	21d	
Tylan® 200 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>	Elanco	Beef Cattle	I.M.	21d	
Tylosin <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>	AgriPharm	Beef Cattle	I.M.	21d	
Tylosin 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>	Aspen	Beef Cattle	I.M.	21d	
Tylosin 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>	Boehringer Ingelheim	Beef Cattle	I.M.	21d	
TyloVed 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>	Vedco	Beef Cattle	I.M.	21d	
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	
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	Premise, 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	

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

Product Name	Company Name	Species	Route of Administration	Meat	Milk
Vib Shield® Plus L5	Novartis (Farm Animal)	Beef Cattle	I.M.	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® 6	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 6+L5	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 6+L5 Somnus	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Vira Shield® 6+Somnus	Novartis (Farm Animal)	Beef Cattle	I.M.	60d	
Vira Shield® 6+VL5	Novartis (Farm Animal)	Beef Cattle	S.C.	60d	
Vira Shield® 6+VL5 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	BioZyme	Beef Cattle	Oral	30d	
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.					
Vita-Jec® A & D "500"	AgriPharm	Beef Cattle	I.M.	60d	
Vitamin AD ₃	AgriLabs	Beef Cattle	I.M.	60d	
Vitamin A & D "500"	AgriPharm	Beef Cattle	I.M.	60d	
Vitamin A D B ₁₂ Injection	Vedco	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	
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	