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Cattle vaccines: Recommendations and available products

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How to use this publication

The proliferation of cattle vaccines on the market has generated many questions about their content and use. This publication is designed as a quick reference guide to cattle vaccines. It is intended as a guide only, and should not be used as a substitute for the instructions and guidelines on the manufacturer's label and package insert.

Vaccine recommendations depend on many factors. You should consult your herd veterinarian for vaccine advice and recommendations specific to your farm.

Always read and follow the manufacturer's label and package insert before using any vaccine product. Follow the Beef Quality Assurance (BQA) guidelines or the Dairy Beef Quality Assurance (DBQA) guidelines for vaccine administration (www.BQA.org).

This publication lists some of the major cattle vaccine manufacturers in alphabetical order followed by their vaccine products in alphabetical order. The letters following the vaccine name indicate the type of vaccine contained in each product.

The use of company names or product trade names does not imply endorsement. This list is intended to be as complete as possible. Omission of any vaccine manufacturer or vaccine product is strictly an oversight. Every effort has been made to ensure the accuracy of the information contained here; however, the author assumes no responsibility relating to the use of this guide.

Vaccination recommendations for Wisconsin dairy herds*

Age	Vaccine	Route & form	Recommended or optional	Comments
Calves (at birth)	Rotavirus & Coronavirus	Oral, MLV	Optional	Follow label and herd veterinarian recommendations. Give prior to colostrum. May not be effective after 1 day of age.
	IBR/PI ₃	Intranasal, MLV	Optional	Follow label and herd veterinarian recommendations. Half dose in each nostril.
Calves (4–8 months)	BVD	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. Modified live vaccines, at least one injection. Killed vaccines require 2 injections, 2–4 weeks apart.
	IBR/PI ₃	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. Modified live vaccines, at least one injection. Killed vaccines require 2 injections, 2–4 weeks apart.
	Leptospirosis	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. Requires 2 injections, 2–4 weeks apart.
	BRSV	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart.
	Clostridium	SubQ	Optional	Follow label and herd veterinarian recommendations. Requires 2 injections, 2–4 weeks apart.
	Brucellosis (Bang's)	SubQ	Optional	For use in heifers only. Given by an accredited, licensed veterinarian. Federal regulations must be followed. Vaccination of heifers allowed between 4–12 months of age.
Heifers (12–15 months) (prebreeding)	BVD	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. Modified live vaccines, at least one injection. Killed vaccines require 2 injections, 2–4 weeks apart the first time; otherwise one booster injection.
	IBR/PI ₃	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. Vaccinate at least one month prior to breeding. Modified live vaccines, at least one injection. Killed vaccines require 2 injections, 2–4 weeks apart the first time; otherwise one booster injection.
	Leptospirosis	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. Requires 2 injections, 2–4 weeks apart the first time; otherwise one booster injection.
	BRSV	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart the first time.
	Clostridium	SubQ	Optional	Follow label and herd veterinarian recommendations. Requires 2 injections, 2–4 weeks apart the first time; otherwise one booster injection.
Springers (5–6 weeks precalving)	Rotavirus & Coronavirus	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. Requires 2 injections, 2–4 weeks apart the first time; otherwise one booster injection. Calf must receive colostrum for protection. Repeat before each calving.
	Colibacillosis <i>E. coli</i>	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. Requires 2 injections, 2–4 weeks apart the first time; otherwise one booster injection. Calf must receive colostrum for protection. Repeat before each calving.
	<i>E. coli</i> endotoxin	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. Repeat before each calving.
Adult cows	BVD	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. Repeat once or twice a year.
	IBR/PI ₃	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. Repeat once or twice a year.
	Leptospirosis	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. Repeat once or twice a year.
	BRSV	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. Repeat once or twice a year.
	Clostridium	SubQ	Optional	Follow label and herd veterinarian recommendations. Repeat once or twice a year.
	<i>E. coli</i> endotoxin	SubQ or IM	Optional	Follow label and herd veterinarian recommendations.

*Specific herd recommendations may vary according to geographic location and risk of disease. Always read and follow label instructions. Consult your herd veterinarian. The preferred route of vaccine administration is subcutaneous (SubQ) if the product is labeled for SubQ. For bull calves going to an artificial insemination (AI) center, consult the AI center before vaccinating.

Vaccination recommendations for Wisconsin spring-calving beef cow-calf herds*

Group	Vaccine	Route & form	Recommended or optional	Comments
Pregalving cows and heifers (spring)	IBR/BVD/PI ₃	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. Use a product that is safe for pregnant cows and heifers. Repeat before each calving.
	Rotavirus & Coronavirus	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart the first time. Calves must receive colostrum for protection. Repeat before each calving.
	Colibacillosis <i>E. coli</i>	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart the first time. Calves must receive colostrum for protection. Repeat before each calving.
	Clostridium	SubQ	Optional	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart the first time. Repeat before each calving.
Prebreeding cows, heifers, and bulls (early summer)	IBR/BVD/PI ₃	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. May depend on whether this vaccine was given precalving. Repeat annually.
	Leptospirosis	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart the first time. Repeat annually.
	BRSV	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart the first time. Repeat annually.
	Clostridium	SubQ	Optional	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart the first time. May depend on whether this vaccine was given precalving. Repeat annually.
	Pinkeye	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. Recommended at beginning of fly season. Repeat annually.
	Campylobacter	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart the first time. Repeat annually.
	Trichomoniasis	SubQ	Optional	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart the first time. Repeat annually.
Calves before weaning or at weaning (fall)	IBR/BVD/PI ₃	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. If vaccinated prior to 6 months old, revaccinate again after 6 months of age.
	Clostridium	SubQ	Recommended	Follow label and herd veterinarian recommendations. May require vaccination prior to 6 months of age if calves are at risk. If vaccinated prior to 6 months old, revaccinate again after 6 months of age.
	BRSV	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May require 2 injections the first time.
	Pasteurella/Mannheimia	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May require 2 injections the first time.
	Haemophilus	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May require 2 injections the first time.
	Pinkeye	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May require 2 injections the first time. Dependent upon fly season.
	Tetanus	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May require 2 injections, 2–4 weeks apart the first time. Dependent upon castration method (recommended for elastic banding).
Heifer calves (4–12 months old)	Brucellosis (Bang's)	SubQ	Optional	For use in heifers only. Given by an accredited, licensed veterinarian. Federal regulations must be followed. Vaccination of heifers allowed between 4–12 months of age.
Yearling heifers, steers, and bulls	IBR/BVD/PI ₃	SubQ or IM	Recommended	Follow label and herd veterinarian recommendations. May depend on when this vaccine was previously given.
	Clostridium	SubQ	Recommended	Follow label and herd veterinarian recommendations. May depend on when this vaccine was previously given.
	BRSV	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May depend on when this vaccine was previously given.
	Pasteurella/Mannheimia	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May depend on when this vaccine was previously given.
	Haemophilus	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. May depend on when this vaccine was previously given.
	Pinkeye	SubQ or IM	Optional	Follow label and herd veterinarian recommendations. Dependent upon fly season.

*Specific herd recommendations may vary according to geographic location and risk of disease. Always read and follow label instructions. Consult your herd veterinarian. The preferred route of vaccine administration is subcutaneous (SubQ) if the product is labeled for SubQ. For bull calves going to an artificial insemination (AI) center, consult the AI center before vaccinating.

Cattle vaccine name and contents by company	<i>BYD-Bovine Viral Diarrhea (type I)</i>	<i>BYD-Bovine Viral Diarrhea (type II)</i>	<i>IBR-Infectious Bovine Rhinotracheitis</i>	<i>PI₃-Parainfluenza 3</i>	<i>BRSV-Bovine Respiratory Syncytial Virus</i>	<i>Mannheimia hemolytica</i>	<i>Pasteurella multocida</i>	<i>HS-Haemophilus somnus (Acranobacterium)</i>	<i>Leptospirosis</i>	<i>Vibrio fetus (Campylobacter)</i>	<i>Clostridium chauvoei (blackleg)</i>	<i>Clostridium septicum (malignant edema)</i>	<i>Clostridium novyi</i>	<i>Clostridium sordellii</i>	<i>Clostridium perfringens B</i>	<i>Clostridium perfringens C</i>	<i>Clostridium perfringens D</i>	<i>Clostridium hemolyticum (tetanus)</i>	<i>Escherichia coli (E. coli) (colibacillosis)</i>	<i>Rotavirus</i>	<i>Coronavirus</i>	<i>Moraxella bovis (pinkeye)</i>	<i>Other</i>
Elite 4-HS	K		K	K	K		K																
Elite 9	K		K	K	K			K															
Elite 9-HS	K		K	K	K		K	K															
EnterVene-d	K																						M
Express 3		M	M																				
Express 5	M	M	M	M	M																		
Express 5-HS	M	M	M	M	M		K																
Express FP 3-VL5	M	M	M					K	K														
Express FP 5	M	M	M	M	M																		
Express FP 5-VL5	M	M	M	M	M			K	K														
Express FP 10	M	M	M	M	M			K															
Express FP 10-HS	M	M	M	M	M		K	K															
Express I	M		M																				
Lepto-5								K															
Lysigin																							K
Mycopar																							K
Ocu-guard MB-1																							K
Presponse HM						K	K																
Presponse SQ						K																	
Prism 5		K	M	M	M																		
Pulmo-Guard MpB	K																						K
Pyramid 2 + Type II BVD		M	M																				
Pyramid 2 + Type II BVD LPH	M	M	M					K															
Pyramid 4	M		M	M	M																		
Pyramid 4 + Presponse SQ	M		M	M	M	K																	
Pyramid 5	M	M	M	M	M																		
Pyramid 5 + Presponse SQ	M	M	M	M	M	K																	
Pyramid 10	M	M	M	M	M			K															
Pyramid IBR	M		M																				
Pyramid IBR LPH			M					K															

Key: M=modified live; K=killed

Cattle vaccine name and contents by company

	<i>BYD-Bovine Viral Diarrhea (type I)</i>	<i>BYD-Bovine Viral Diarrhea (type II)</i>	<i>IBR-Infectious Bovine Rhinotracheitis</i>	<i>PI₃-Parainfluenza 3</i>	<i>BRSV-Bovine Respiratory Syncytial Virus</i>	<i>Mannheimia hemolytica</i>	<i>Pasteurella multocida</i>	<i>HS-Haemophilus somnus (Acrnrobacterium)</i>	<i>Leptospirosis</i>	<i>Vibrio fetus (Campylobacter) (blackleg)</i>	<i>Clostridium chauvoei (malignant edema)</i>	<i>Clostridium novyi</i>	<i>Clostridium sordellii</i>	<i>Clostridium perfringens B</i>	<i>Clostridium perfringens C</i>	<i>Clostridium perfringens D</i>	<i>Clostridium hemolyticum (tetanus)</i>	<i>Escherichia coli (E. coli) (colibacillosis)</i>	<i>Rotavirus</i>	<i>Coronavirus</i>	<i>Moraxella bovis (pinkeye)</i>	<i>Other</i>
SDT-Guard																						K
Triangle 1 + Type II BVD		K																				
Triangle 4 + HS	K		K	K	K		K															
Triangle 4 + PH/HS	K		K	K	K	K	K															
Triangle 4 +PH-K	K		K	K	K	K																
Triangle 5	K	K	K	K	K																	
Triangle 9 + HS	K	K	K	K	K		K	K														
Triangle 9 + PH-K	K	K	K	K	K	K		K														
Triangle 10	K	K	K	K	K			K														
TrichGuard																						K
TrichGuard V5L								K	K													K
TriVib 5L								K	K													K
Colorado Serum																						
Anthrax Spore Vaccine																						K
Bovib-Lepto 5								K	K													
Bovine Virus Diarrhea Vaccine	M																					
Campylobacter Fetus Bacterin-Bovine									K													
Essential 1																K						
Essential 2										K	K											
Essential 2 + P						K				K	K											
Essential 3													K	K	K							
Essential 3 + T													K	K	K		K					
Essential 4										K	K	K	K									
Lepto-5								K														
Leptospira Pomona Bacterin								K														
Mannheimia Haemolytica-Pasteurella Multocida Bacterin						K	K															
Pre-Breed 6			M						K													
Pre-Breed 8			M	M					K													
Respira-1			M																			

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Cattle vaccine name and contents by company

	BYD-Bovine Viral Diarrhea (type I)	BYD-Bovine Viral Diarrhea (type II)	IBR-Infectious Bovine Rhinotracheitis	PI ₃ -Parainfluenza 3	BRSV-Bovine Respiratory Syncytial Virus	Mannheimia hemolytica	Pasteurella multocida	HS-Haemophilus somnus (Acranobacterium)	Trueperella pyogenes (Actinomyces)	Leptospirosis	Vibrio fetus (Campylobacter)	Clostridium (blackleg)	Clostridium chauvoei (malignant edema)	Clostridium septicum	Clostridium novyi	Clostridium sordellii	Clostridium perfringens B	Clostridium perfringens C	Clostridium perfringens D	Clostridium hemolyticum (tetanus)	Escherichia coli (E. coli) (colibacillosis)	Rotavirus	Coronavirus	Moraxella bovis (pinkeye)	Other
Respira-3			M	M																					
Salmonella Dublin-Typhimurium Bacterin	M																								K
Wart Vaccine																									K
Durvet																									
Durvac Lepto 5																									
Durvac Past HM						K	K																		
Durvac Vibrio L5																									
Elanco Animal Health																									
Master Guard 5		K	K	M	M																				
Master Guard 10 HB	K	K	K	M	M																				
Titanium 3	K	M	M																						
Titanium 3 LP	M	M	M																						
Titanium 4 L5	M	M	M	M																					
Titanium 5	M	M	M	M	M																				
Titanium 5 L5 HB	M	M	M	M	M																				
Titanium 5+PH-M	M	M	M	M	M	K	K																		
Titanium BRSV 3	M		M	M	M																				
Titanium IBR			M																						
Titanium IBR LP			M																						
Viralign 6		M	M	M	M																				
Elanco US (formerly Novartis)																									
Arsenal 4.1		M	M	M	M																				
Bovine Pili Shield	M																								
Bovine Pili Shield+C																									
BRD Shield		M	M	M	M																				
BVD Shield 3	M	K																							
Clostridium Perfringens Type A Toxoid (Cattle)																									K
Clostri Shield 7																									
Clostri Shield BCD																									

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Cattle vaccine name and contents by company

	BYD-Bovine Viral Diarrhea (type I)	BYD-Bovine Viral Diarrhea (type II)	IBR-Infectious Bovine Rhinotracheitis	PI ₃ -Parainfluenza 3	BRSV-Bovine Respiratory Syncytial Virus	Mannheimia hemolytica	Pasteurella multocida	HS-Haemophilus somnus (Acrinobacterium)	Leptospira	Vibrio fetus (Campylobacter)	Clostridium chauvoei (blackleg)	Clostridium septicum (malignant edema)	Clostridium novyi	Clostridium sordellii	Clostridium perfringens B	Clostridium perfringens C	Clostridium perfringens D	Clostridium hemolyticum (tetanus)	Escherichia coli (E. coli) (colibacillosis)	Rotavirus	Coronavirus	Moraxella bovis (pinkeye)	Other
Fusogard																							K
Lepto Shield 5									K														
Nuplura PH					K																		
Pinkeye Shield XT4																							K
Quick Shield IN IBR-PI ₃			M	M																			
ReproSTAR L5 HB									K														
ReproSTAR VL5 HB									K	K													
Scour Bos 4																					K	K	
Scour Bos 9															K				K	K	K		
Somnu Shield							K																
Vib Shield Plus L5									K	K													
Vira Shield 4		K	K																				
Vira Shield 4+VL5	K	K	K						K	K													
Vira Shield 4+VL5 HB	K	K	K						K	K													
Vira Shield 6	K	K	K	K	K																		
Vira Shield 6+L5	K	K	K	K	K				K														
Vira Shield 6+L5 HB	K	K	K	K	K		K		K														
Vira Shield 6+L5 HB Somnus	K	K	K	K	K		K		K														
Vira Shield 6+L5 Somnus	K	K	K	K	K		K		K														
Vira Shield 6+Somnus	K	K	K	K	K		K																
Vira Shield 6+VL5	K	K	K	K	K				K	K													
Vira Shield 6+VL5 HB	K	K	K	K	K				K	K													
Vira Shield 6+VL5 HB Somnus	K	K	K	K	K		K		K	K													
Vira Shield 6+VL5 Somnus	K	K	K	K	K		K		K	K													
Hygieia																							
J-5 Escherichia Coli Bacterin																				K			
Serpens Species Bacterin																							K
Staphylococcus Aureus Bacterin-Toxoid																							K
Streptococcus Uberis Bacterin																							K

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Cattle vaccine name and contents by company

BYD-Bovine Viral Diarrhea (type I)
BYD-Bovine Viral Diarrhea (type II)
IBR-Infectious Bovine Rhinotracheitis
PI₃-Parainfluenza 3
BRSV-Bovine Respiratory Syncytial Virus
Mannheimia hemolytica
Pasteurella multocida
HS-Haemophilus somnus
Trueperella pyogenes (Actinobacterium)
Leptospirosis
Vibrio fetus (Campylobacter)
Clostridium chauvoei (blackleg)
Clostridium septicum (malignant edema)
Clostridium novyi
Clostridium sordellii
Clostridium perfringens B
Clostridium perfringens C
Clostridium perfringens D
Clostridium hemolyticum (tetanus)
Escherichia coli (E. coli) (colibacillosis)
Rotavirus
Coronavirus
Moraxella bovis (pinkeye)
Other

Cattle vaccine name and contents by company	BYD-Bovine Viral Diarrhea (type I)	BYD-Bovine Viral Diarrhea (type II)	IBR-Infectious Bovine Rhinotracheitis	PI ₃ -Parainfluenza 3	BRSV-Bovine Respiratory Syncytial Virus	Mannheimia hemolytica	Pasteurella multocida	HS-Haemophilus somnus	Trueperella pyogenes (Actinobacterium)	Leptospirosis	Vibrio fetus (Campylobacter)	Clostridium chauvoei (blackleg)	Clostridium septicum (malignant edema)	Clostridium novyi	Clostridium sordellii	Clostridium perfringens B	Clostridium perfringens C	Clostridium perfringens D	Clostridium hemolyticum (tetanus)	Escherichia coli (E. coli) (colibacillosis)	Rotavirus	Coronavirus	Moraxella bovis (pinkeye)	Other
Immvac																								
ENDOVAC-Beef with ImmunePlus																								K
ENDOVAC-Dairy with ImmunePlus																								K
Intervet/Merck																								
20/20 Vision 7 with Spur											K	K	K	K		K	K							K
Cavalry 9											K	K	K	K	K	K	K	K						
Covexin 8											K	K	K		K	K	K	K						
Guardian																K	K			K	K	K		
L5 SQ									K															
LeptoBov HB									K															
Nasalgen IP			M	M																				
Nobivac 3-Rabies																								K
Nobivac 3-Rabies CA																								K
Once PMH IN						M	M																	
Once PMH SQ						M	M																	
Piliguard Pinkeye-1 Trivalent																								K
Piliguard Pinkeye +7											K	K	K	K		K	K							K
Piliguard Pinkeye TriView																								K
Respavir PMH SQ						M	M																	
Vision 7 Sommus with Spur							K				K	K	K	K		K	K							
Vision 7 with Spur											K	K	K	K		K	K							
Vision 8 Sommus with Spur							K				K	K	K	K		K	K	K						
Vision 8 with Spur											K	K	K	K		K	K							
Vision CD-T with Spur																K	K		K					
Vision CD with Spur																K	K							
Vista 3 SQ		M	M																					
Vista 3 VL5 SQ	M	M	M						K	K														
Vista 5 L5 SQ	M	M	M	M	M				K															

Key: M=modified live; K=killed

Cattle vaccine name and contents by company

	BYD-Bovine Viral Diarrhea (type I)	BYD-Bovine Viral Diarrhea (type II)	IBR-Infectious Bovine Rhinotracheitis	PI ₃ -Parainfluenza 3	BRSV-Bovine Respiratory Syncytial Virus	Mannheimia hemolytica	Pasteurella multocida	HS-Haemophilus somnus (Acranobacterium)	Leptospirosis	Vibrio fetus (Campylobacter)	Clostridium (blackleg)	Clostridium chauvoei (malignant edema)	Clostridium novyi	Clostridium sordellii	Clostridium perfringens B	Clostridium perfringens C	Clostridium perfringens D	Clostridium hemolyticum (tetanus)	Escherichia coli (E. coli) (colibacillosis)	Rotavirus	Coronavirus	Moraxella bovis (pinkeye)	Other
Vista 5 SQ	M	M	M	M	M																		
Vista 5 VL5 SQ	M	M	M	M	M				K	K													
Vista Once SQ	M	M	M	M	M	M	M																
VL5 SQ	M								K	K													
Merial																							
IMRAB 3																							K
IMRAB Large Animal																							K
J-VAC																			K				
RESPISHIELD HM						K	K																K
Professional Biological																							
Brucella Abortus Vaccine (Strain RB-51)																							M
Clostridium perfringens Type C & D-Tetanus Toxoid															K	K		K					
Clostridium perfringens Type C & D Toxoid															K	K							
Texas Vet Lab																							
Multi-Vac 3L			M	M	M																		
Myco-Bac B																							K
Poly-Bac B 3						K	K	K															
Poly-Bac B Somnus						K	K	K															K
Super Poly-Bac B + IBRk & BVDk			K			K	K	K															
Super Poly-Bac B Somnus	K					K	K	K															K
Zoetis																							
Bovi-Shield 4		M	M	M	M																		
Bovi-Shield GOLD 5	M	M	M	M	M																		
Bovi-Shield GOLD BVD	M	M																					
Bovi-Shield GOLD FP 5	M	M	M	M	M																		
Bovi-Shield GOLD FP 5 L5	M	M	M	M	M				K														
Bovi-Shield GOLD FP 5 L5 HB	M	M	M	M	M				K														

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	BYD-Bovine Viral Diarrhea (type I)	BYD-Bovine Viral Diarrhea (type II)	IBR-Infectious Bovine Rhinotracheitis	PI ₃ -Parainfluenza 3	BRSV-Bovine Respiratory Syncytial Virus	Mannheimia hemolytica	Pasteurella multocida	HS-Haemophilus somnus	Trueperella pyogenes (Actinobacterium)	Leptospirosis	Vibrio fetus (Campylobacter)	Clostridium (blackleg)	Clostridium chauvoei (malignant edema)	Clostridium novyi	Clostridium sordellii	Clostridium perfringens B	Clostridium perfringens C	Clostridium perfringens D	Clostridium hemolyticum (tetanus)	Escherichia coli (E. coli) (colibacillosis)	Rotavirus	Coronavirus	Moraxella bovis (pinkeye)	Other
Bovi-Shield GOLD FP 5 VL5	M	M	M	M	M				K	K														
Bovi-Shield GOLD FP 5 VL5 HB	M	M	M	M	M				K	K														
Bovi-Shield GOLD IBR-BVD	M	M	M																					
Bovi-Shield GOLD One Shot	M	M	M	M	M	K																		
Bovi-Shield IBR	M		M																					
Calf-Guard																					M	M		
Cattle Master 4			M	M	M																			
Cattle Master 4+L5	M&K		M	M	M				K															
Cattle Master 4+VL5	M&K		M	M	M				K	K														
CattleMaster GOLD FP 5	M&K	K	M	M	M																			
CattleMaster GOLD FP 5 L5	K	K	M	M	M				K															
Defensor 3	K																							K
Enviracor J-5																				K				
Escherichia Coli Bacterial Extract																				K				
Fortress 7											K	K	K	K	K	K	K							
Fortress 8											K	K	K	K	K	K	K	K						
Fortress CD														K	K	K								
INFORCE 3			M	M	M																			
Leptoferm-5									K															
One Shot						K																		
One Shot BVD		M				K																		
One Shot Ultra 7	M					K					K	K	K	K	K	K	K							
One Shot Ultra 8						K					K	K	K	K	K	K	K	K						
PregGuard GOLD FP 10		M	M	M					K	K														
Resvac 4/Somubac	M		M	M	M		K																	
Resvac BRSV/Somubac	M				M		K																	
ScourGuard 4K																				K	K	K		
ScourGuard 4KC															K					K	K	K		
SoliBac Pinkeye IR/PR																								K

Key: M=modified live; K=killed

Cattle vaccine name and contents by company

	BYD-Bovine Viral Diarrhea (type I)	BYD-Bovine Viral Diarrhea (type II)	IBR-Infectious Bovine Rhinotracheitis	PI ₃ -Parainfluenza 3	BRSV-Bovine Respiratory Syncytial Virus	Mannheimia hemolytica	Pasteurella multocida	HS-Haemophilus somnus (Acrinobacterium)	Leptospirosis	Vibrio fetus (Campylobacter)	Clostridium chauvoei (blackleg)	Clostridium septicum (malignant edema)	Clostridium novyi	Clostridium sordellii	Clostridium perfringens B	Clostridium perfringens C	Clostridium perfringens D	Clostridium hemolyticum (tetanus)	Escherichia coli (E. coli) (colibacillosis)	Rotavirus	Coronavirus	Moraxella bovis (pinkeye)	Other
Somubac							K																
Spriovac																							
Spirovac L5																							
Spirovac VL5																							
SRP Salmonella																							K
StayBred VL5																							
TSV-2			M	M																			
Ultrabac 7											K	K	K	K	K	K	K						
Ultrabac 7/Somubac							K				K	K	K	K	K	K	K						
Ultrabac 8											K	K	K	K	K	K	K	K					
Ultrabac CD														K	K	K							
UltraChoice 7											K	K	K	K	K	K	K						
UltraChoice 8											K	K	K	K	K	K	K	K					
UltraChoice CD														K	K	K							
Vibrin										K													
Vibrio/Leptoferm-5									K	K													

Key: M=modified live; K=killed

Vaccine name	Company
20/20 Vision 7 with Spur	Intervet/Merck
Alpha-7	Boehringer
Alpha-7/MB-1	Boehringer
Alpha-CD	Boehringer
Anthrax Spore Vaccine	Colorado Serum
Arsenal 4.1	Elanco US (Novartis)
Bar Somnus 2P	Boehringer
Bar Vac 7	Boehringer
Bar Vac 7/Somnus	Boehringer
Bar Vac 8	Boehringer
Bar Vac CD	Boehringer
Bar Vac CD/T	Boehringer
Bovib-Lepto 5	Colorado Serum
Bovine Pili Shield	Elanco US (Novartis)
Bovine Pili Shield+C	Elanco US (Novartis)
Bovine Virus Diarrhea Vaccine	Colorado Serum
Bovi-Shield 4	Zoetis
Bovi-Shield GOLD 5	Zoetis
Bovi-Shield GOLD BVD	Zoetis
Bovi-Shield GOLD FP 5	Zoetis
Bovi-Shield GOLD FP 5 L5	Zoetis
Bovi-Shield GOLD FP 5 L5 HB	Zoetis
Bovi-Shield GOLD FP 5 VL5	Zoetis
Bovi-Shield GOLD FP 5 VL5 HB	Zoetis
Bovi-Shield GOLD IBR-BVD	Zoetis
Bovi-Shield GOLD One Shot	Zoetis
Bovi-Shield IBR	Zoetis
BRD Shield	Elanco US (Novartis)
Brucella Abortus Vaccine Strain RB-51	Professional Biological
BVD Shield 3	Elanco US (Novartis)
Calf-Guard	Zoetis
Caliber 3	Boehringer
Caliber 7	Boehringer
Campylobacter Fetus Bacterin-Bovine	Colorado Serum
CattleMaster 4	Zoetis
CattleMaster 4+L5	Zoetis

Vaccine name	Company
CattleMaster 4+VL5	Zoetis
CattleMaster GOLD FP 5	Zoetis
CattleMaster GOLD FP 5 L5	Zoetis
Cavalry 9	Intervet/Merck
Citadel L5	Boehringer
Citadel VL5	Boehringer
Clostridium Perfringens Types C&D-Tetanus Toxoid	Professional Biological
Clostridium Perfringens Types C&D Toxoid	Professional Biological
Clostri Shield 7	Elanco US (Novartis)
Clostri Shield® BCD	Elanco US (Novartis)
Clostridium Perfringens Type A Toxoid (Cattle)	Elanco US (Novartis)
Covexin 8	Intervet/Merck
Defensor 3	Zoetis
Durvac Lepto 5	Durvet
Durvac Past HM	Durvet
Durvac Vibrio L5	Durvet
Elite 4	Boehringer
Elite 4-HS	Boehringer
Elite 9	Boehringer
Elite 9-HS	Boehringer
ENDOVAC-Beef with ImmunePlus	Immvac
ENDOVAC-Dairy with ImmunePlus	Immvac
EnterVene-d	Boehringer
Enviracor J-5	Zoetis
Escherichia Coli Bacterial Extract	Zoetis
Essential 1	Colorado Serum
Essential 2	Colorado Serum
Essential 2 + P	Colorado Serum
Essential 3	Colorado Serum
Essential 3 + T	Colorado Serum
Essential 4	Colorado Serum
Express 3	Boehringer
Express 5	Boehringer
Express 5-HS	Boehringer

Vaccine name	Company
Express FP 3-VL5	Boehringer
Express FP 5	Boehringer
Express FP 5-VL5	Boehringer
Express FP 10	Boehringer
Express FP 10-HS	Boehringer
Express I	Boehringer
Fortress 7	Zoetis
Fortress 8	Zoetis
Fortress CD	Zoetis
Fusogard	Elanco US (Novartis)
Guardian	Intervet/Merck
IMRAB 3	Merial
IMRAB Large Animal	Merial
INFORCE 3	Zoetis
I-Site XP	AgriLabs
J-5 Escherichia Coli Bacterin	Hygieia
J-VAC	Merial
L5 SQ	Intervet/Merck
Lepto-5	Boehringer
Lepto-5	Colorado Serum
LeptoBov HB	Intervet/Merck
Leptoferm-5	Zoetis
Lepto Shield 5	Elanco US (Novartis)
Leptospira Pomona Bacterin	Colorado Serum
Lysigin	Boehringer
Mannheimia Haemolytica-Pasteurella Multocida Bacterin	Colorado Serum
Master Guard 5	Elanco Animal Health
Master Guard 10 HB	Elanco Animal Health
Maxi/Guard Pinkeye Bacterin	Addison
MpB Guard	AgriLabs
Multi-Vac 3L	Texas Vet Lab
Mycobac B	Texas Vet Lab
Mycopar	Boehringer
Nasalgen IP	Intervet/Merck
Nobivac 3-Rabies	Intervet/Merck
Nobivac 3-Rabies CA	Intervet/Merck
Nuplura PH	Elanco US (Novartis)

Vaccine name	Company
Ocu-guard MB-1	Boehringer
Once PMH IN	Intervet/Merck
Once PMH SQ	Intervet/Merck
One Shot	Zoetis
One Shot BVD	Zoetis
One Shot Ultra 7	Zoetis
One Shot Ultra 8	Zoetis
Piliguard Pinkeye-1 Trivalent	Intervet/Merck
Piliguard Pinkeye + 7	Intervet/Merck
Piligaurd Pinkeye TriView	Intervet/Merck
Pinkeye Shield XT4	Elanco US (Novartis)
Poly-Bac B 3	Texas Vet Lab
Poly-Bac B Somnus	Texas Vet Lab
Pre-Breed 6	Colorado Serum
Pre-Breed 8	Colorado Serum
PregGuard GOLD FP 10	Zoetis
Presponse HM	Boehringer
Presponse SQ	Boehringer
Prism 5	Boehringer
Pulmo-Guard MpB	Boehringer
Pulmo-Guard PH-M	AgriLabs
Pulmo-Guard PHM-1	AgriLabs
Pyramid 2 + Type II BVD	Boehringer
Pyramid 2 + Type II BVD LPH	Boehringer
Pyramid 4	Boehringer
Pyramid 4 + Presponse SQ	Boehringer
Pyramid 5	Boehringer
Pyramid 5 + Presponse SQ	Boehringer
Pyramid 10	Boehringer
Pyramid IBR	Boehringer
Pyramid IBR LPH	Boehringer
Quick Shield IN IBR-PI ₃	Elanco US (Novartis)
ReproSTAR L5 HB	Elanco US (Novartis)
ReproSTAR VL5 HB	Elanco US (Novartis)
Respavir PMH SQ	Intervet/Merck
Respira 1	Colorado Serum
Respira 3	Colorado Serum
RESPISHIELD HM	Merial

Vaccine name	Company
Resvac 4/Somubac	Zoetis
Resvac BRSV/Somubac	Zoetis
Salmo Guard	AgriLabs
Salmonella Dublin-Typhimurium Bacterin	Colorado Serum
Scour Bos 4	Elanco US (Novartis)
Scour Bos 9	Elanco US (Novartis)
ScourGuard 4K	Zoetis
ScourGuard 4KC	Zoetis
SDT-Guard	Boehringer
Serpens Species Bacterin	Hygieia
SolidBac Pinkeye IR/PR	Zoetis
Somnu Shield	Elanco US (Novartis)
Somubac	Zoetis
Spirovac	Zoetis
Spirovac L5	Zoetis
Spirovac VL5	Zoetis
SRP Salmonella	Zoetis
Staphylococcus Aureus Bacterin-Toxoid	Hygieia
StayBred VL5	Zoetis
Streptococcus Uberis Bacterin	Hygieia
Super Poly-Bac B + IBRk & BVDk	Texas Vet Lab
Super Poly-Bac B Somnus	Texas Vet Lab
Titanium 3	Elanco Animal Health
Titanium 3 LP	Elanco Animal Health
Titanium 4 L5	Elanco Animal Health
Titanium 5	Elanco Animal Health
Titanium 5 L5 HB	Elanco Animal Health
Titanium 5+PH-M	Elanco Animal Health
Titanium BRSV 3	Elanco Animal Health
Titanium IBR	Elanco Animal Health
Titanium IBR LP	Elanco Animal Health
TiterVac 3	Aspen
TiterVac 5	Aspen
TiterVac 10 HB	Aspen
TiterVac IBR	Aspen
TiterVac IBR-LP	Aspen

Vaccine name	Company
Triangle 1 + Type II BVD	Boehringer
Triangle 4 + HS	Boehringer
Triangle 4 + PH/HS	Boehringer
Triangle 4 + PH-K	Boehringer
Triangle 5	Boehringer
Triangle 9 + HS	Boehringer
Triangle 9 + PH-K	Boehringer
Triangle 10	Boehringer
TrichGuard	Boehringer
TrichGuard V5L	Boehringer
TriVib 5L	Boehringer
TSV-2	Zoetis
Ultrabac 7	Zoetis
Ultrabac 7/Somubac	Zoetis
Ultrabac 8	Zoetis
Ultrabac CD	Zoetis
UltraChoice 7	Zoetis
UltraChoice 8	Zoetis
UltraChoice CD	Zoetis
Vibrin	Zoetis
Vibrio/Leptoferm-5	Zoetis
Vib Shield Plus L5	Elanco US (Novartis)
Viralign 6	Elanco Animal Health
Vira Shield 4	Elanco US (Novartis)
Vira Shield 4+VL5	Elanco US (Novartis)
Vira Shield 4+VL5 HB	Elanco US (Novartis)
Vira Shield 6	Elanco US (Novartis)
Vira Shield 6+L5	Elanco US (Novartis)
Vira Shield 6+L5 HB	Elanco US (Novartis)
Vira Shield 6+L5 HB Somnus	Elanco US (Novartis)
Vira Shield 6+L5 Somnus	Elanco US (Novartis)
Vira Shield 6+Somnus	Elanco US (Novartis)
Vira Shield 6+VL5	Elanco US (Novartis)
Vira Shield 6+VL5 HB	Elanco US (Novartis)
Vira Shield 6+VL5 HB Somnus	Elanco US (Novartis)
Vira Shield 6+VL5 Somnus	Elanco US (Novartis)
Vision 7 Somnus with Spur	Intervet/Merck
Vision 7 with Spur	Intervet/Merck

Vaccine name	Company
Vision 8 Somnus with Spur	Intervet/Merck
Vision 8 with Spur	Intervet/Merck
Vision CD-T with Spur	Intervet/Merck
Vision CD with Spur	Intervet/Merck
Vista 3 SQ	Intervet/Merck
Vista 3 VL5 SQ	Intervet/Merck
Vista 5 L5 SQ	Intervet/Merck
Vista 5 SQ	Intervet/Merck
Vista 5 VL5 SQ	Intervet/Merck
Vista Once SQ	Intervet/Merck
VL5 SQ	Intervet/Merck
Wart Vaccine	Colorado Serum
Zelinate	Bayer

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