

CATTLE RESPIRATORY AND REPRODUCTIVE VACCINES

Last updated February 20, 2024

K = killed virus; MLV = modified live virus; AL = avirulent live; B = bacterin; BT = bacterin toxoid

Product Name	Material Number	Vaccine Type	IBR	BVD Type I	BVD Type II	PI3 (parainfluenza3)	BRSV	<i>Histophilus somni</i> (<i>Haemophilus somnus</i>)	<i>Leptospira</i> spp.	<i>Pasteurella multocida</i>	<i>Campylobacter fetus</i>	<i>Tritrichomonas</i>	<i>L. canicola</i>	<i>L. grippityphosa</i>	<i>L. icterohaemorrhagiae</i>	<i>L. interrogans serovar: hardjo</i>	<i>L. borgpetersenii serovar: hardjo-bovis</i>	<i>L. pomona</i>	<i>Mannheimia</i> (<i>Pasteurella</i>) <i>haemolytica</i>	<i>Mycoplasma bovis</i>	<i>Salmonella typhimurium</i>	Ingredient(s)	Route of Administration	Respiratory	Reproductive
AMERICAN ANIMAL HEALTH																									
Mycobac One Dose 20 mL (10-dose), 100 mL (50-dose)	21278712, 21278713	B																		X		Non-Viral	S.Q.	X	
BIMEDA																									
Mycobac B 100 mL (50-dose), 200 mL (100-dose)	13599614, 12510662	B																		X		Reveal ATS Adjuvant System	S.Q.	X	
Pro-Bac 2 100 mL (50-dose), 200 mL (100-dose)	21304783, 21304784	BT																	X			Reveal ATS Adjuvant System	S.Q.	X	
Pro-Bac 3 100 mL (50-dose), 200 mL (100-dose)	21303897, 20109996	BT								X									X			Reveal ATS Adjuvant System	S.Q.	X	
Pro-Bac 4 100 mL (50-dose), 200 mL (100-dose)	21306955, 20109998	BT					X	X											X			Reveal ATS Adjuvant System	S.Q.	X	
Pro-Bac 4 + IBRk & BVDk 100 mL (50-dose), 200 mL (100-dose)	21307618, 21307384	K, BT	X	X			X	X											X			Reveal ATS Adjuvant System	S.Q.	X	
Pro-Bac 5 100 mL (50-dose), 200 mL (100-dose)	21307383, 20110000	BT					X	X											X	X		Reveal ATS Adjuvant System	S.Q.	X	
Stimulator 2 20 mL (10-dose), 100 mL (50-dose)	21304691, 21273896	MLV	X			X																	S.Q.	X	
Stimulator 2 + BRSV 20 mL (10-dose), 100 mL (50-dose)	21307057, 21307058	MLV	X			X	X																S.Q.	X	
Stimulator 3 20 mL (10-dose), 100 mL (50-dose)	21304692, 21274446	MLV	X	X	X																		S.Q.	X	
Stimulator 5 20 mL (10-dose), 100 mL (50-dose)	21289343, 21273496	MLV	X	X	X		X																S.Q.	X	
Stimulator 5 + PMH 20 mL (10-dose), 100 mL (50-dose)	21312853, 21312854	MLV/K	X	X	X	X	X			X									X				S.Q.	X	
Stimulator IBR 100 mL (50-dose)	14578423	MLV	X																				S.Q.	X	
PMH-Bac 20 mL (10-dose), 100 mL (50-dose)	21312855, 21312856	K								X									X				S.Q.	X	
BOEHRINGER INGELHEIM																									
Bar Somnus 2P 20 mL (10-dose), 100 mL (50-dose)	17502145, 12360437	B					X	X											X			neomycin, thimerosal	I.M.	X	
Citadel L5 HB 100 mL (50-dose)	17283255	B									X	X	X	X	X	X	X						S.Q., I.M.		X
Citadel VL5 HB 20 mL (10-dose), 100 mL (50-dose)	12653562, 12653563	B								X	X	X	X	X	X	X	X					neomycin, thimerosal	S.Q.		X
Express 3 100 mL (50-dose)	12652147	MLV	X	X	X																		S.Q.	X	
Express 5 20 mL (10-dose), 100 mL (50-dose)	11444581, 18795184	MLV	X	X	X	X	X															neomycin, thimerosal	S.Q.	X	
Express 5-HS 20 mL (10-dose), 100 mL (50-dose)	17489851, 15898641	MLV	X	X	X	X	X	X														neomycin, thimerosal	S.Q.	X	
Express FP 3 VL5 HB 20 mL (10-dose), 100 mL (50-dose)	11154333, 15411444	MLV	X	X	X	X	X			X	X	X	X	X	X	X	X					neomycin, thimerosal	S.Q., I.M.	X	X

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BOEHRINGER INGELHEIM (cont.)																										
Express FP 5 VL5 HB 20 mL (10-dose), 100 mL (50-dose)	14854125, 16441578	MLV	X	X	X	X	X				X		X	X	X	X	X	X				neomycin, thimerosal	S.Q., I.M.	X	X	
Express FP 10 10 mL (5-dose), 20 mL (10-dose), 100 mL (50-dose)	14781569, 14876523, 15166392	MLV	X	X	X	X	X	X					X	X	X	X	X	X				neomycin, thimerosal	S.Q., I.M.	X	X	
Presponse HM 20 mL (10-dose), 100 mL (50-dose)	15150225, 18900252	BT								X									X			thimerosal	I.M.	X		
Presponse SQ 20 mL (10-dose), 100 mL (50-dose)	17894614, 17894613	BT																	X				S.Q.	X		
Pyramid 3 100 mL (50-dose)	11823512	MLV	X	X	X																	gentamicin, neomycin, polymyxin B, and thimerosal	S.Q., I.M.	X		
Pyramid 3 LPH 100 mL (50-dose)	10133851	MLV	X	X	X										X			X				gentamicin, neomycin, polymyxin B, and thimerosal	S.Q., I.M.	X		
Pyramid 3 + Presponse SQ 100 mL (50-dose)	21249075	MLV	X	X	X														X			gentamicin, neomycin, polymyxin B, and thimerosal	S.Q.	X		
Pyramid 4 100 mL (50-dose)	17565461	MLV	X	X		X	X															gentamicin, Metastim®, neomycin, polymyxin B, thimerosal	S.Q., I.M.	X		
Pyramid 5 20 mL (10-dose), 100 mL (50-dose)	16523357, 19852147	MLV	X	X	X	X	X															gentamicin, Metastim®, neomycin, polymyxin B, thimerosal	S.Q., I.M.	X		
Pyramid 5 + Presponse SQ 20 mL (10-dose), 100 mL (50-dose)	15986326, 16894162	MLV	X	X	X	X	X												X			neomycin, polymyxin B, thimerosal	S.Q.	X		
Pyramid 10 HB 20 mL (10-dose), 100 mL (50-dose)	12361264, 17441956	MLV	X	X	X	X	X						X	X	X	X	X	X				gentamicin, Metastim®, neomycin, polymyxin B, thimerosal	S.Q., I.M.	X	X	
Pyramid IBR 100 mL (50-dose)	12300245	MLV	X																			gentamicin, neomycin, polymyxin B, and thimerosal	S.Q., I.M.	X		
Triangle 4 + PH-K 50 mL (10-dose), 250 mL (50-dose)	11458946, 11025332	K	X	X		X	X												X			Enhance dual adjuvant system, gentamicin, Immune-Guard®, neomycin, polymyxin B, thimerosal	S.Q.	X		
Triangle 5 20 mL (10-dose), 100 mL (50-dose)	14517425, 11859263	K	X	X	X	X	X															Enhance dual adjuvant system, gentamicin, neomycin, polymyxin B, thimerosal	S.Q., I.M.	X		
Triangle 10 HB 50 mL (10-dose), 250 mL (50-dose)	11228554, 14512332	K	X	X	X	X	X						X	X	X	X	X	X				Enhance dual adjuvant system, gentamicin, neomycin, polymyxin B, thimerosal	S.Q., I.M.	X	X	
TrichGuard 20 mL (10-dose), 100 mL (50-dose)	16932648, 18795127	K										X										neomycin, polymyxin B, thimerosal	S.Q.		X	
TrichGuard V5L HB 50 mL (10-dose), 250 mL (50-dose)	18588261, 12655457	K								X	X	X	X	X	X	X	X	X				neomycin, polymyxin B, thimerosal	S.Q.		X	
Trich Vibrio Inj. 50 mL (10-dose), 250 mL (50-dose)	21312045, 21312046	K								X	X													S.Q.		X
COLORADO SERUM																										
Mannheimia Haemolytica Pasteurella Multocida Bacterin 20 mL (10-dose), 100 mL (50-dose)	11365614, 16544454	B								X									X			aluminum hydroxide, thimerosal	S.Q.	X		

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ELANCO																									
Lepto Shield 5 20 mL (10-dose), 100 mL (50-dose)	17103456, 13005445	B											X	X	X	X		X				thimerosal	I.M.		X
Master Guard 10 HB 30 mL (10-dose), 75 mL (25-dose)	11100597, 13001645	MLV/K	X	X	X	X	X						X	X	X	X	X	X				gentamicin	I.M. & S.Q.	X	X
Nuplura PH 20 mL (10-dose), 100 mL (50-dose)	18053063, 19053064	BT																	X			Emulsigen® D, gentamicin, thimerosal	S.Q.	X	
Nuplura PH + 3 20 mL (10-dose), 100 mL (50-dose)	21304042, 21304043	MLV	X	X	X														X			Emulsigen® D, gentamicin, thimerosal	S.Q.	X	
Nuplura PH + BVD 20 mL (10-dose), 100 mL (50-dose)	21304040, 21304041	MLV		X	X														X			Emulsigen® D, gentamicin, thimerosal	S.Q.	X	
ReproSTAR L5 HB 20 mL (10-dose), 100 mL (50-dose)	12011567, 16501487	B											X	X	X		X	X				thimerosal, Xtend™ SP	S.Q.		X
ReproSTAR VL5 HB 20 mL (10-dose), 100 mL (50-dose)	14171832, 18213489	B								X			X	X	X		X	X				thimerosal, Xtend™ SP	I.M.		X
Somnu Shield 100 mL (50-dose)	13258972	B					X															aluminum hydroxide	S.Q. & I.M.		X
Titanium 3 20 mL (10-dose), 100 mL (50-dose)	14122110, 18599632	MLV	X	X			X																S.Q. & I.M.	X	
Titanium 3 LP 100 mL (50-dose)	16432151	MLV	X	X			X											X				thimerosal	S.Q. & I.M.	X	X
Titanium 5 20 mL (10-dose), 100 mL (50-dose)	17748491, 18975884	MLV	X	X	X	X	X															desiccated Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza3-Respiratory Syncytial Virus Vaccine and sterile diluent to use as a diluent	S.Q.	X	
Titanium 5 L5 HB 20 mL (10-dose), 100 mL (50-dose)	18513306, 12516355	MLV	X	X	X	X	X						X	X	X	X		X				thimerosal	S.Q.	X	X
Titanium BRSV 3 100 mL (50-dose)	17542210	MLV	X				X																S.Q., I.M.	X	
Titanium IBR 20 mL (10-dose), 100 mL (50-dose)	18741056, 18845169	MLV	X																				S.Q., I.M.	X	
Titanium IBR-LP 100 mL (50-dose)	15454858	MLV	X															X					S.Q., I.M.	X	
Vib Shield Plus L5 20 mL (10-dose), 100 mL (50-dose)	13603621, 16312057	B								X			X	X	X	X		X				thimerosal, Xtend™ SP	I.M.		X
Vira Shield 4 + VL5 250 mL (50-dose)	12514522	K	X	X	X					X			X	X	X	X		X				amphotericin B, gentamicin, thimerosal, Xtend™ SP	S.Q.	X	X
Vira Shield 4 + VL5 HB 250 mL (50-dose)	13754412	K	X	X	X					X			X	X	X		X	X					S.Q.	X	X
Vira Shield 6 50 mL (10-dose), 250 mL (50-dose)	11000123, 18514287	K	X	X	X	X	X															amphotericin B, gentamicin, thimerosal, Xtend™ SP	S.Q.	X	
Vira Shield 6 + L5 50 mL (10-dose), 250 mL (50-dose)	14100587, 13001497	K	X	X	X	X	X						X	X	X	X		X				amphotericin B, gentamicin, thimerosal, Xtend™ SP	S.Q.	X	X
Vira Shield 6 + L5 HB 50 mL (10-dose), 250 mL (50-dose)	14301269, 18230926	K	X	X	X	X	X						X	X	X		X	X				amphotericin B, gentamicin, thimerosal, Xtend™ SP	S.Q.	X	X
Vira Shield 6 + L5 HB Somnus 250 mL (50-dose)	19300642	K	X	X	X	X	X	X					X	X	X		X	X				amphotericin B, gentamicin, thimerosal, Xtend™ SP	I.M.	X	X
Vira Shield 6 + Somnus 50 mL (10-dose), 250 mL (50-dose)	13557294, 14555511	K	X	X	X	X	X	X														amphotericin B, gentamicin, thimerosal, Xtend™ SP	I.M.	X	

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ELANCO (cont.)																									
Vira Shield 6 + VL5 50 mL (10-dose), 250 mL (50-dose)	18301457, 14612589	K	X	X	X	X	X				X		X	X	X	X		X				amphotericin B, gentamicin, thimerosal, Xtend™ SP	S.Q.	X	X
Vira Shield 6 + VL5 HB 50 mL (10-dose), 250 mL (50-dose)	18849869, 16691659	K	X	X	X	X	X				X		X	X	X		X	X				amphotericin B, gentamicin, thimerosal, Xtend™ SP	S.Q.	X	X
Vira Shield 6 + VL5 HB Somnus 50 mL (10-dose), 250 mL (50-dose)	17789633, 12229362	K	X	X	X	X	X	X			X											amphotericin B, gentamicin, thimerosal, Xtend™ SP	I.M.	X	X
Vira Shield 6 + VL5 Somnus 50 mL (10-dose), 250 mL (50-dose)	16940074, 19527526	K	X	X	X	X	X	X			X		X	X	X	X		X				amphotericin B, gentamicin, thimerosal, Xtend™ SP	I.M.	X	X
Zelnate DNA Immunostimulant 10-dose, 50-dose	21270480, 21270481																		X			liposome carrier, sterile diluent	I.M. & Intranasal	X	
ENDOVAC																									
Endovac Beef 40 mL (20-dose), 100 mL (50-dose), 200 mL (100-dose)	21246042, 21245681, 21246041	B								X									X		X		I.M.	X	X
Endovac Dairy 40 mL (20-dose), 100 mL (50-dose), 200 mL (100-dose)	15145024, 14283124, 18927687	B								X									X		X		I.M.	X	X
MERCK																									
Bovilis L5 SQ 100 mL (50-dose)	12765218	B											X	X	X	X	X	X					S.Q.		X
Bovilis Nasalgen 3 20 mL (10-dose), 25x1-dose, 100 mL (50-dose)	21298429, 21298451, 21298450	MLV	X			X	X															penicillin, streptomycin	Intranasal	X	
Bovilis Nasalgen 3-PMH 25x1-dose, 20 mL (10-dose), 100 mL (50-dose)	21303121, 21303123, 21303124	MLV/AL	X			X	X			X									X			penicillin, streptomycin	Intranasal	X	
Bovilis Nasalgen IP 20 mL (10-dose), 100 mL (50-dose)	21278808, 17872641	MLV	X			X																gentamicin	Intranasal	X	
Bovilis Once PMH IN 20 mL (10-dose), 100 mL (50-dose), Tray (25x1-dose)	21260027, 21260028, 21271080	AL								X									X			streptomycin	Intranasal	X	
Bovilis Once PMH SQ 20 mL (10-dose), 100 mL (50-dose)	18713642, 16009555	AL								X									X			streptomycin	S.Q.	X	
Bovilis Vista Once SQ 20 mL (10-dose), 100 mL (50-dose)	11230594, 11475623	MLV/AL	X	X	X	X	X			X									X			penicillin, streptomycin	S.Q.	X	
Bovilis Vista BVD CFP 20 mL (10-dose), 100 mL (50-dose)	21298934, 21298933	MLV		X	X																	penicillin, streptomycin	S.Q.	X	
Bovilis Vista 5 SQ 20 mL (10-dose), 100 mL (50-dose)	12122334, 15634989	MLV	X	X	X	X	X															penicillin, streptomycin	S.Q.	X	
Bovilis Vista 5 L5 SQ 100 mL (50-dose)	14713444	MLV/B	X	X	X	X	X						X	X	X	X		X				penicillin, streptomycin	S.Q.	X	X
Bovilis Vista 5 VL5 20 mL (10-dose), 100 mL (50-dose)	12946522, 13781342	MLV	X	X	X	X	X				X		X	X	X	X		X				penicillin, streptomycin	S.Q.	X	X
Bovilis VL5 SQ 100 mL (50-dose)	19987323	B									X		X	X	X	X	X	X				thimerosal	S.Q.	X	X

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ZOETIS																									
Bovi-Shield Gold 4 100 mL (50-dose)	14169867	MLV	X	X	X	X																gentamicin, amphigen	S.Q.	X	
Bovi-Shield Gold 5 10 mL (5-dose), 20 mL (10-dose), 100 mL (50-dose)	19863641, 13621597, 14213690	MLV	X	X	X	X	X															gentamicin, amphigen	S.Q., I.M.	X	
Bovi-Shield Gold BVD 20 mL (10-dose), 100 mL (50-dose)	11015269, 11315268	MLV		X	X																	gentamicin, amphigen	S.Q., I.M.	X	
Bovi-Shield Gold FP5 20 mL (10-dose), 100 mL (50-dose)	17745621, 13251269	MLV	X	X	X	X	X															gentamicin, amphigen	S.Q., I.M.	X	
Bovi-Shield Gold FP5 L5 10 mL (5-dose), 20 mL (10-dose), 100 mL (50-dose)	15698692, 18594652, 16554893	MLV	X	X	X	X	X						X	X	X	X		X				gentamicin, amphigen	I.M.	X	X
Bovi-Shield Gold FP5 L5 HB 10 mL (5-dose), 20 mL (10-dose), 100 mL (50-dose)	15487715, 19884789, 13768798	MLV	X	X	X	X	X						X	X	X	X		X				gentamicin, amphigen, thimerosal	I.M., S.Q.	X	X
Bovi-Shield Gold FP5 VL5 20 mL (10-dose), 100 mL (50-dose)	12553620, 17548966	MLV	X	X	X	X	X			X			X	X	X	X		X				gentamicin, amphigen	I.M.	X	X
Bovi-Shield Gold IBR-BVD 20 mL (10-dose), 100 mL (50-dose)	11015269, 18416304	MLV	X	X	X																	gentamicin, amphigen	S.Q.	X	
Bovi-Shield Gold One Shot 10 mL (5-dose), 20 mL (10-dose), 100 mL (50-dose)	21255782, 21303092, 21303057	MLV	X	X	X	X	X												X			gentamicin, amphigen	S.Q.	X	
CattleMaster 4+VL5 50 mL (10-dose), 125 mL (25-dose)	11678374, 13075725	MLV/K	X	X		X	X						X	X	X	X		X				aluminum hydroxide, gentamicin	I.M.	X	X
CattleMaster Gold FP5 10 mL (5-dose), 20 mL (10-dose), 50 mL (25-dose)	18496982, 13621512, 14182310	MLV/K	X	X	X	X	X															Amphigen®, gentamicin	S.Q.	X	
CattleMaster Gold FP 5+L 5 25 mL (5-dose), 50 mL (10-dose), 125 mL (25-dose)	12051262, 13100210, 11023502	MLV/K	X	X	X	X	X						X	X	X	X		X				Amphigen®, gentamicin	S.Q.	X	X
Inforce 3 20 mL (10-dose), 25x1-dose, 50 mL (25-dose), 100 mL (50-dose)	12324581, 11552248, 19373732, 14511502	MLV	X			X	X															gentamicin	Intranasal	X	
Leptoform 5 20 mL (10-dose), 100 mL (50-dose)	17572414, 18969765	B											X	X	X	X		X				contains chemically inactivated whole cultures of the 5 <i>Leptospira</i> serovars listed	I.M.		X
One Shot 10 mL (5-dose), 20 mL (10-dose), 100 mL (50-dose)	12154602, 14568303, 12163822	BT																	X			not named	I.M. & S.Q.	X	
One Shot BVD 20 mL (10-dose), 100 mL (50-dose)	21261316, 21261317	MLV		X	X														X			gentamicin	S.Q.	X	
PregGuard Gold FP 10 20 mL (10-dose), 100 mL (50-dose)	12254693, 14548871	MLV	X	X	X	X				X			X	X	X	X		X				gentamicin	I.M.	X	X
Protivity 20 mL (10-dose), 100 mL (50-dose)	21309706, 21309707	MLV																		X			S.Q.	X	

Product Name	Material Number	Vaccine Type	IBR	BVD Type I	BVD Type II	PI3 (parainfluenza3)	BRSV	<i>Histophilus somni</i> (<i>Haemophilus somnus</i>)	<i>Leptospira</i> spp.	<i>Pasteurella multocida</i>	<i>Campylobacter fetus</i>	<i>Tritrichomonas</i>	<i>L. canicola</i>	<i>L. grippityphosa</i>	<i>L. icterohaemorrhagiae</i>	<i>L. interrogans</i> serovar: <i>hardjo</i>	<i>L. borgpetersenii</i> serovar: <i>hardjo-bovis</i>	<i>L. pomona</i>	<i>Mannheimia</i> (<i>Pasteurella</i>) <i>haemolytica</i>	<i>Mycoplasma bovis</i>	<i>Salmonella typhimurium</i>	Ingredient(s)	Route of Administration	Respiratory	Reproductive	
ZOETIS (cont.)																										
Spirovac 20 mL (10-dose), 100 mL (50-dose)	18934488, 18399448	B															X							S.Q.		X
Spirovac L5 20 mL (10-dose), 100 mL (50-dose)	11857154, 19887215	B											X	X	X		X	X					not named	I.M. & S.Q.		X
Spirovac VL5 20 mL (10-dose), 100 mL (50-dose)	15968921, 13625698	B									X		X	X	X		X	X					not named	I.M. & S.Q.	X	X
Somubac 20 mL (10-dose), 100 mL (50-dose)	11123698, 17741451	B						X															aluminum hydroxide	S.Q.	X	
StayBred VL5 100 mL (50-dose)	11746721	B									X		X	X	X	X		X					oil adjuvant	I.M.	X	X
Vibrin 100 mL (50-dose)	12155196	B									X												not named	S.Q.		X