

VACCINES THAT FIT THE REQUIRED VACCINATION PROTOCOL FOR THE MCA/MSU BULL EVALUATION PROGRAM^a

Company	MLV Virus - BVDV 1 & 2, IBR, PI-3, BRSV	Killed Virus - BVDV 1 & 2, IBR, PI-3, BRSV	Mannheimia w/Toxoid	Histophilus somni	Clostridium 7-way	Leptospira 5-way
Boehringer Ingelheim Animal Health https://www.bi-vetmedica.com/species/cattle/beef.html	<ul style="list-style-type: none"> •Express 5 •Express 5-HS⁶ •Express FP 5 •Express FP VL5⁴ •Express FP 10⁴ •Pyramid 5 •Pyramid 10⁴ •Pyramid 5 + Presponse SQ¹ 	<ul style="list-style-type: none"> •Triangle 5 •Triangle 10 HB⁴ 	<ul style="list-style-type: none"> •Presponse SQ •Presponse HM⁵ •Pyramid 5 + Presponse SQ¹ 	<ul style="list-style-type: none"> •Bar-Vac 7/Somnus³ •Express 5-HS⁶ 	<ul style="list-style-type: none"> •Alpha 7 •Bar-Vac 7 •Bar-Vac 7/Somnus³ •Bar-Vac 8 •Caliber 7 	<ul style="list-style-type: none"> •Citadel L5 •Express FP 10⁴ •Express FP VL5⁴ •Pyramid 10⁴ •Triangle 10HB⁴
Elanco www.elanco.us	<ul style="list-style-type: none"> •BRD Shield •Titanium 5 •Titanium 5 L5 HB⁴ 	<ul style="list-style-type: none"> •ViraShield 6 VL5 HB Somnus^{4,7} •MasterGuard 5 •MasterGuard 10 HB⁴ 	<ul style="list-style-type: none"> •Nuplura PH •Nuplura PH + BVD •Nuplura PH + 3 	<ul style="list-style-type: none"> •Somu Shield •ViraShield 6 VL5 HB Somnus^{4,7} 		<ul style="list-style-type: none"> • MasterGuard 10 HB⁴ • Titanium 5 L5 HB⁴ •ViraShield 6 VL5 HB Somnus^{4,7}
Endovac www.endovacanimalhealth.com			<ul style="list-style-type: none"> •Endovac-Beef 			
Huvepharma www.huvepharma.us	<ul style="list-style-type: none"> •RESPIVax 5 •RESPIVax 5+PH-M^{1,5} 		<ul style="list-style-type: none"> •PulmoGuard PH-M⁵ •PulmoGuard PH-M-1⁵ •RESPIVax 5+PH-M^{1,5} 			
Merck Animal Health www.merck-animal-health-usa.com	<ul style="list-style-type: none"> •Vista 5 SQ •Vista Once SQ^{1,5} •Vista 5L5 SQ⁴ 		<ul style="list-style-type: none"> •Once PMH SQ⁵ •Vista Once SQ^{1,5} 	<ul style="list-style-type: none"> •Vision 7 Somnus³ •Vision 8 Somnus³ 	<ul style="list-style-type: none"> •Vision 7 •Vision 7 Somnus³ •Vision 8 •Vision 8 Somnus³ •Cavalry 9 •Covexin 8 	<ul style="list-style-type: none"> • L5 SQ⁴ • Vista 5L5 SQ⁴
Zoetis www.zoetis.com	<ul style="list-style-type: none"> •Bovishield Gold 5 •Bovishield Gold FP5 •Bovishield Gold FP5 L5⁴ •Bovi-Shield GOLD FP5 L5 HB⁴ •Bovi-Shield Gold OneShot¹ 	<ul style="list-style-type: none"> •Cattlemaster Gold FP5 •Cattlemaster Gold FP5 L5⁴ 	<ul style="list-style-type: none"> •OneShot •Bovi-Shield Gold OneShot¹ •OneShot Ultra ⁷2 •OneShot Ultra ⁸2 	<ul style="list-style-type: none"> •Somubac •Ultrabac 7/Somubac³ 	<ul style="list-style-type: none"> •Ultrachoice 7 •Ultrachoice 8 •Ultrabac 7 •Ultrabac 8 •Ultrabac 7/Somubac³ 	<ul style="list-style-type: none"> • Leptoferm-5⁴ • Bovishield Gold FP5 L5⁴ • Bovi-Shield GOLD FP5 L5 HB⁴ • Cattlemaster Gold FP5 L5⁴

• ^aTrade names and commercial products mentioned in this guide are solely to provide specific information and does not imply recommendation or endorsement by Michigan State University, nor does it imply approval to the exclusion of other products.

• ¹Combination MLV Virus and Mannheimia

²Combination Mannheimia and 7-way Clostridium

• ³Combination 7-way clostridium and Histophilus

• ⁴Includes 5-way lepto

• ⁵Includes Pasteurella multocida

• ⁶Combination MLV virus and Histophilus

• ⁷Combination killed virus, Histophilus, and Lepto