

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

<i>Company</i>	<i>MLV Virus - BVDV 1 & 2, IBR, PI-3, BRSV</i>	<i>Killed Virus - BVDV 1 & 2, IBR, PI-3, BRSV</i>	<i>Mannheimia w/Toxoid</i>	<i>Histophilus somni</i>	<i>Clostridium 7-way</i>	<i>Leptospira 5-way</i>
Boehringer Ingelheim Vetmedica www.bi-vetmedica.com/	<ul style="list-style-type: none"> •Express 5 •Express 5-HS⁶ •Express FP 5 •Express FP VL5⁴ •Express FP 10⁴ •Express FP 10-HS^{4,6} •Pyramid 5 •Pyramid 10⁴ •Pyramid 5 + Presponse SQ¹ 	<ul style="list-style-type: none"> •Triangle 5 •Triangle 10⁴ 	<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 •Express FP 10-HS^{4,6} 	<ul style="list-style-type: none"> •Alpha 7 •Bar-Vac 7 •Bar-Vac 8Bar-Vac 7/Somnus³ 	<ul style="list-style-type: none"> •Express FP VL5⁴ •Express FP VL5⁴ •Express FP 10⁴ •Express FP 10-HS^{4,6} •Pyramid 10⁴ •Triangle 10⁴
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
Elanco www.elanco.us/	<ul style="list-style-type: none"> •BRD Shield •Titanium 5 •Titanium 5 + PH-M¹ •Titanium 5 L5 HB⁴ 	<ul style="list-style-type: none"> •ViraShield 6 VL5 HB Somnus^{4,6} •MasterGuard 5 •MasterGuard 10 HB⁴ 	<ul style="list-style-type: none"> •Nuplura PH •Titanium 5 + PH-M¹ 	<ul style="list-style-type: none"> •Somu Shield •ViraShield 6 VL5 HB Somnus^{4,6} 	<ul style="list-style-type: none"> •Clostri Shield 7 	<ul style="list-style-type: none"> • MasterGuard 10 HB⁴ • Titanium 5 L5 HB⁴
Zoetis (Pfizer) www.zoetisus.com	<ul style="list-style-type: none"> •Bovishield Gold 5 •Bovishield Gold FP5 •Bovishield Gold FP5 L5⁴ •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 • 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