

# ARE THERE HOLES IN YOUR DEFENSE AGAINST BOVINE RESPIRATORY DISEASE (BRD)?



A significant portion of BRD morbidity and mortality is caused by bacterial pneumonia. Making sure the vaccines you use can provide protection against the most common bacteria associated with the costly disease is a key step in keeping your cattle healthy, so that they can be productive.

Between 2010-2019 Bimeda® Biologicals processed over 10,000 diagnostic samples while monitoring and conducting surveillance for veterinarians and cattle producers. A review of the nearly 3,000 lung tissue samples submitted within that timeframe showed the following prevalence rates of isolated and identified bacteria pathogens:

ISOLATE	% PREVALENCE
<i>Mycoplasma bovis</i> (Mb)	50%
<i>Pasteurella multocida</i> (Pm)	13%
<i>Histophilus somni</i> / <i>Haemophilus somnus</i> (Hs)	20%
<i>Mannheimia haemolytica</i>	29%

M. HAEMOLYTICA SEROTYPE	% PREVALENCE
TYPE A1 (Mh A1)	87.9%
TYPE A6 (Mh A6)	12.1%

## IF YOU AREN'T COVERING ALL THE BASES, ITS HARD TO WIN. HOW MUCH RISK ARE YOU TAKING WITH YOUR CURRENT VACCINATION PROGRAM?

	Mb	Mh A1	Mh A6	Pm	Hs	St	IBR	BVD
MYCO-BAC®	✓							
PRO-BAC™ 2		✓	✓					
PRO-BAC™ 3		✓	✓	✓				
PRO-BAC™ 4		✓	✓	✓	✓			
PRO-BAC™ 4 + IBRK & BVDK		✓	✓	✓	✓		✓	✓
PRO-BAC™ 5		✓	✓	✓	✓	✓		
YOUR CURRENT BACTERIAL VACCINE(S):								



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