



Once PMH®

PRODUCT BULLETIN

**BOVILIS® ONCE PMH®**

BOVILIS ONCE PMH IN | BOVILIS ONCE PMH SQ

For the veterinarian or producer looking to best equip their calves with the immunity needed to avoid bacterial pneumonia, BOVILIS ONCE PMH vaccines, available in either intranasal or subcutaneous presentations, have been shown effective against the two leading bacterial causes of Bovine Respiratory Disease (BRD): *Mannheimia haemolytica* and *Pasteurella multocida*.



PRODUCT	PRODUCT DETAILS			BACTERIAL PROTECTION	
	Presentations	Dose	Route of Administration	<i>Mannheimia haemolytica</i>	<i>Pasteurella multocida</i>
<b>BOVILIS ONCE PMH IN</b>	25x1 dose 10 dose 50 dose	2 mL	IN*	X	X
<b>BOVILIS ONCE PMH SQ</b>	10 dose 50 dose	2 mL	SQ**	X	X

\*Intranasal administration  
\*\*Subcutaneous injection

**PRODUCT FEATURES**

**Both: BOVILIS ONCE PMH IN and BOVILIS ONCE PMH SQ**

- Avirulent live culture and adjuvant-free

**BOVILIS ONCE PMH IN**

- Labeled for use in cattle as young as 1 week of age
- No injection site warning due to Intranasal Route of Administration
- Have been shown effective against two of the leading bacterial causes of BRD while optimizing post-vaccination performance<sup>1</sup>

**BOVILIS ONCE PMH SQ**

- The industry’s longest Duration of Immunity claim of 16 weeks for both *M. haemolytica* and *P. multocida*

<sup>1</sup> Meyer, B., Hill, K., Burdett, B., Sibbel, R., Engelken, T., Roth, J., Renter, D. Post-vaccination production and inflammatory response in calves administered a novel intranasal avirulent-live bacterin. 12/13

