

Once PMH®



ONCE PMH®

Once PMH IN | Once PMH SQ

For the veterinarian or producer looking to best equip their calves with the immunity needed to avoid bacterial pneumonia, Once PMH vaccines, available in either intranasal or subcutaneous formulations, deliver protection against the disease's two leading bacterial pathogens: *Mannheimia haemolytica* and *Pasteurella multocida*.

PRODUCT	Presentations	Dose	Route of Administration	Bacterial Protection	
				<i>Mannheimia haemolytica</i>	<i>Pasteurella multocida</i>
<i>Once PMH IN</i>	25x1 dose 10 dose 50 dose	2 mL	IN*	X	X
<i>Once PMH SQ</i>	10 dose 50 dose	2 mL	SQ**	X	X

*Intranasal administration
**Subcutaneous injection

PRODUCT FEATURES

Both: Once PMH IN and Once PMH SQ

- 100% live, adjuvant-free

Once PMH IN

- Labeled for use in cattle as young as 1 week of age
- The only *P. multocida* vaccine with intranasal route of administration
- Shown to have a lower endotoxin load compared to other bacterial respiratory vaccines on the market¹
- No injection site warning due to IN ROA
- Provides protection against two of the leading bacterial causes of BRD while optimizing post-vaccination performance²

Once PMH SQ

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

¹ 02/15 BV-VST-51134-2-VISTA-ENDOTOXIN-LOAD
² 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

PRODUCT RESOURCES

STOCKING CODE

Once PMH IN Product Comparison Chart (Beef/Dairy)	BV-ONCE IN-51141-B BV-ONCE IN-51141-D
Once PMH IN Fast Facts (Dairy/Beef)	BV-Once IN-51139-D-R BV-Once IN-51139-B
Once PMH IN: Endotoxin Load	BV-51134-Endotoxin-Load
Safety of Once PMH IN in 1- to 7-Day-Old Holstein Calves	BV-51138-OPMHIN-SAFETY- HOLSTEIN-CALVES
Timing Is Everything	BV-51132-OPMHIN-TIMING-IS- EVERYTHING