



The color of unmatched protection.

The first and only intranasal BRD vaccine against viral and bacterial pneumonia.

BOVILIS® NASALGEN®3-PMH is the first intranasal vaccine that effectively protects beef and dairy cattle against five major causes of respiratory disease in one dose:

- Bovine respiratory syncytial virus (BRSV)
- Infectious bovine rhinotracheitis (IBR)
- · Parainfluenza 3 (Pl₂)
- Pasteurella multocida
- Mannheimia haemolytica

Easy to administer.

- Eliminates the need and stress of two separate vaccines
- · Single 2 mL dose in one nostril

Unique blue shadow for confident administration.

Avoid missing calves or double-dosing

Duration of immunity (DOI).

- · 78 days: BRSV
- · 195 days: IBR
- 95 days: Pl₂
- · 125 days: P. multocida
- 122 days: M. haemolytica

Mounts strong, early response¹ for powerful, long-lasting protection.

 Mimics natural exposure to the most common causes of pneumonia for an effective immune response

No injection site reactions.

Helps your operation meet
Beef Quality Assurance standards

BOVILIS NASALGEN 3-PMH: The one and only.

- Designed with an IBR that is not temperature-sensitive, ensuring the vaccine will replicate and protect in any situation²
- Safe in pregnant cows and in calves nursing pregnant cows building a strong foundation for disease protection.



Animal Health

¹Data on file, Merck Animal Health.

²Grissett GP, et al. Effect of Ambient Temperature on Viral Replication and Serum Antibody Titers Following Administration of a Commercial Intranasal Modified-Live Infectious Bovine Rhinotracheitis-Parainfluenza-3 Virus Vaccine to Beef Cattle Housed in High- and Moderate-Ambient Temperature Environments. *Am J Vet Res.* 2014;75(12):1076-1082.