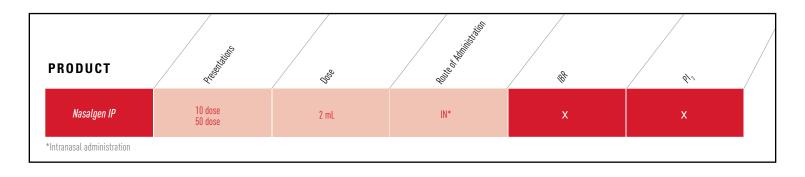
PRODUCT BULLETIN

Nasalgen[®] IP

NASALGEN[®] IP

For the veterinarian and producer looking for immediate immunity protection of day-old calves, pregnant cows/heifers, and nursing calves, Nasalgen IP is proven to stimulate a rapid response, with an onset of immunity as early as 48 hours, and it continues to protect cattle for up to 14 months.¹





PRODUCT FEATURES

- Safe in all classes of cattle including day-old calves, pregnant cows/heifers, and nursing calves
- Provides rapid onset of protection
- 14-month Duration of Immunity (DOI) for IBR² -
- -Stimulates interferon response providing nonspecific antiviral activity to aid in protection against a variety of airborne pathogens
- Stimulates local production of antibodies at the site where infectious pathogens enter the respiratory system - the mucosal lining of the nasal cavity
- Stimulates active immunity in the face of maternal antibodies^{2,3} -
- No temperature sensitivity issues that would negatively impact _ replication once administered to cattle⁴

¹Interferon in Nasal Secretions and Sera of Calves After Intranasal Administration of Avirulent Infectious Bovine Rhinotracheitis Virus: Association of Interferon in Nasal Secretions with Early Resistance to Challenge with Virulent Virus" American Society for Microbiology. *Infection and Immunity*, May 1972, p 699-706.

²Hyland S. "Comparison of Two Strains of Infectious Bovine Rhinotracheitis Virus: Biological Effects in Neonatal Calves and Antigenic Comparison by Radioimmune Comparison Assay," doctoral thesis, University of Wisconsin, Madison, 1978.

3Ellis JA, Gow SP, Goji N. (2010) Response to experimentally induced infection with bovine respiratory syncytial virus following intranasal vaccination of seropositive and seronegative calves. JAVMA 236(9): 991-999. 4Grissett GP, White BJ, Anderson DE, Larson RE, Miesner MD. (2014) Effect of ambient temperature on viral replication and serum antibody titers following administration of a commercial intranasal modified-live infectious bovine rhinotracheitis-parainfluenza - 3 vaccine to beef cattle housed in high- and moderate-ambient temperature environments. AJVR, 75(12): 1076-1082

PRODUCT RESOURCES

STOCKING CODE

Nasalgen Technical Summary

BV-NAS-57090

