

PROTECTION AS UNIQUE AS YOUR HERD.



The Safety of a Killed Vaccine Combined With the Efficacy of a Modified-Live Vaccine

Elanco

Master Guard[®]

PROVEN DEFENSE

- Bovine Viral Diarrhea (BVD) Type 1 and 2 protection in a killed vaccine
- Killed Infectious Bovine Rhinotracheitis (IBR) vaccine provides duration of immunity for at least 196 days¹
- Proven protection against Parainfluenza₃ (PI₃) and Bovine Respiratory Syncytial Virus (BRSV) in modified live virus (MLV) vaccine fractions
- Five-way *Leptospira* protection plus *Lepto hardjo-bovis*
- MLV BRSV in Master Guard and Titanium[®] vaccines stimulate more serum-neutralizing antibodies and cellular-mediated immunity than inactivated (killed) BRSV vaccines²

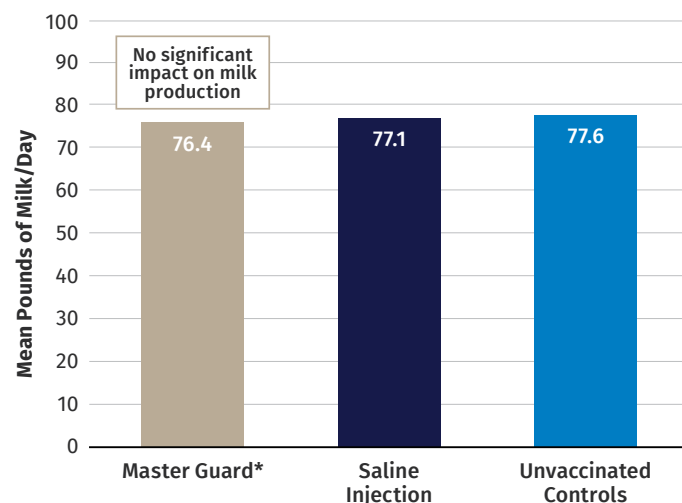
EASY AND CONVENIENT

- A unique combination of killed and MLV components to provide respiratory and reproductive vaccine protection for your herd—including pregnant cows
- Elanco standards will continue to ensure the same high quality and dependability you've come to expect from Master Guard

PROTECTION WITHOUT PERFORMANCE IMPACT³

- Studies show no significant impact on milk production in lactating Holsteins during the first 7 days post-vaccination (Figure 1)³
- Can be used in pregnant cows at any stage of gestation or lactation
- May be administered intramuscularly (IM) or subcutaneously (SQ)

FIGURE 1. MILK PRODUCTION IN LACTATING
HOLSTEINS 7 DAYS POST-VACCINATION³



No significant differences between groups.

*Master Guard 5, which does not contain the *Leptospira* portion of the vaccine, was used in this study.



COVERAGE YOU CAN COUNT ON

	BVD Type 1	BVD Type 2	IBR	PI ₃	BRSV	<i>L. canicola</i>	<i>L. grippotyphosa</i>	<i>L. hardjo-bovis</i>	<i>L. icterohaemorrhagiae</i>	<i>L. pomona</i>
Master Guard® 10 HB	K	K	K	MLV	MLV	✓	✓	✓	✓	✓

K = Killed Virus
MLV = Modified Live Virus

Elanco

Master Guard®

To learn more about how Master Guard delivers control as unique as your herd, contact your herd health veterinarian, Elanco sales representative or technical consultant, or visit Elanco.us

The label contains complete use information, including cautions and warnings. Always read, understand and follow the label and use directions.

Master Guard is part of Elanco's industry-leading portfolio of vaccines, antibiotics and immunostimulants to help producers prevent, control and treat the most pervasive diseases in the industry.

¹ Sibbel RL, Bass EP, Thomas PC. How long will a killed IBR vaccine protect against challenge? *Vet Med* 1988;83(1):90-2.

² Ellis JA, Hassard LE, Morley PS. Bovine respiratory syncytial virus-specific immune responses in calves after inoculation with commercially available vaccines. *JAVMA* 1995;206(3):354-61.

³ Elanco Animal Health. Data on file.

Master Guard, Titanium, Elanco and the diagonal bar logo are trademarks of Elanco or its affiliates. © 2023 Elanco or its affiliates. PM-US-19-1428(2)

Right for cattle. Right by you.

Elanco

TM