



TOUGH ON VIRUSES. EASY ON CATTLE.* IDEAL FOR YOUR **BOTTOM LINE.**

Titanium[®] vaccines are a proven solution against common respiratory, reproductive and leptospirosis disease pathogens without the post-vaccinal stress on your animals.*

Elanco

Titanium[®]

TOUGH ON VIRUSES

- Titanium provides comprehensive protection against up to 11 pathogens that cause respiratory and reproductive diseases
- Research demonstrates proven protection against Bovine Viral Diarrhea (BVD) Type 1 and 2,^{1,2} plus strong Infectious Bovine Rhinotracheitis (IBR) immunity during 110-day period³
- Titanium is available with 5-way leptospirosis protection including protection against *L. hardjo-bovis*
- The optimal antigen content in every Titanium dose provides enhanced rapid and extended duration of immunity

EASY ON CATTLE*

- Research shows no significant effect on feed intake⁴
- Research shows no significant effect on milk production⁵
- No post-vaccinal stress^{*6,7}
- Several Titanium options can be used in nursing calves

IDEAL FOR YOUR BOTTOM LINE

- A vaccine that's easy on cattle* means they can stay on feed and maintain gains, milk production and productivity⁴⁻⁷
- Titanium is the first step in setting up cattle for a lifetime of immunity. Talk to your local Elanco representative or technical consultant about using Titanium early in life and transitioning to Vira Shield[®] as animals enter the reproductive phases of production
- Backed by the Elanco Cattle Vaccine Promise[™]

MILLIONS OF CATTLE HAVE BENEFITED FROM TITANIUM VACCINES. IT'S AN EASY CHOICE.



TITANIUM® HELPS KEEP YOUR HERD ON TRACK.

Titanium vaccines provide powerful protection with minimal adverse side effects.

	Titanium 5+L5 HB	Bovi-Shield GOLD® FP 5+VL5 HB	Express® FP 5-VL5	Pyramid® 10	Vista® 5 VL5 SQ
Respiratory (5-way)	MLV	MLV	MLV	MLV	MLV
Vaccination Coverage <i>Leptospira</i> (5-way)	✓	✓	✓	✓	✓
<i>L. hardjo-bovis</i>	✓	✓	✓		✓

Value

BE SURE TO LOOK AT YOUR RETURN ON INVESTMENT AND COMPARE HOW TITANIUM CAN IMPROVE YOUR BOTTOM LINE.

MLV = Modified Live Virus

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To learn more about Titanium 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.

Titanium 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.

*As measured by body temperature, feed intake, injection-site reaction or white blood cell count.

- ¹ Elanco Animal Health. Data on file.
- ² Elanco Animal Health. Data on file.
- ³ Elanco Animal Health. Data on file.
- ⁴ Elanco Animal Health. Data on file.
- ⁵ Elanco Animal Health. Data on file.
- ⁶ Elanco Animal Health. Data on file.
- ⁷ Elanco Animal Health. Data on file.

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