

Nobivac® Lepto₄



● Stop the spreading

● Stop the shedding



NOBIVAC® LEPTO₄—THE FIRST AND ONLY UNIQUE LEPTOSPIROSIS PROTECTION DESIGNED TO GIVE YOU AND YOUR CLIENTS PEACE OF MIND.

Nobivac®
Protection unites us.

PENN
Veterinary Supply, Inc.

Phone - 800.233.0210

www.pennvet.com

 **MERCK**
Animal Health

Dogs' lives are unique.

The threat of leptospirosis is everywhere!

The spread of leptospirosis through urinary shedding puts virtually every patient, from the biggest breeds to toy-sized terriers, and even your clients, at risk.



URBAN RISKS

- Carrier animal urine—rats, squirrels, racoons, opossums, and other rodents^{3,4}
- Asymptomatic dogs
- Public sidewalks, dog parks, and communal areas

SUBURBAN RISKS

- Carrier animal urine—rats, squirrels, racoons, opossums, and other rodents^{3,4}
- Asymptomatic dogs
- Backyards, neighborhoods, and areas near livestock
- Public sidewalks, dog parks, and communal areas

KNOW
THE RISK
FACTORS



DID YOU KNOW: Leptospirosis is the most widespread zoonotic disease in the world.⁵ It can be spread through infected urine from pets and wildlife,⁴ soil, water, and bedding.

Nobivac® Lepto₄

Their protection should be, too.

Nobivac® Lepto₄ offers one-of-a-kind protection.

The first and only 4-way canine leptospirosis vaccine specifically shown to be effective against disease, mortality,¹ and urinary shedding.²

Shown to be effective against MORTALITY¹ AND URINARY SHEDDING²

0% of vaccinated dogs developed leptospiuria*

0% of vaccinated dogs developed leptospiremia*

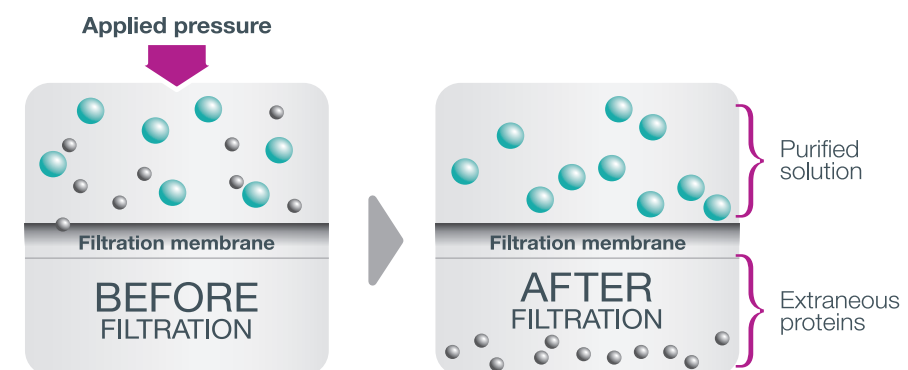
Protects against 4 VIRULENT SEROVARs in accordance with AAHA guidelines⁶

- *L. canicola*
- *L. icterohaemorrhagiae*
- *L. pomona*
- *L. grippityphosa*



*In 4 separate studies, a total of 96 dogs between 7 and 8 weeks of age were vaccinated with Nobivac® Lepto₄ and challenged with 4 virulent *Leptospira* serovars.²

Reduced total proteins through VacciPure™ filtration technology



Fewer total proteins means a more purified final product, which may reduce unwanted immune system responses, such as vaccine reactions.⁷

Also available in a
**0.5-mL
VERSION!**
Nobivac EDGE® Lepto₄

One-of-a-kind leptospirosis protection for every kind of lifestyle.

Nobivac® Lepto₄

Discover more vaccine options available in 1-mL, 0.5-mL, and combination formulations to fit your vaccination protocols.⁸⁻¹¹



Nobivac® Lepto ₄					✓
Nobivac® Canine 1-DAPPv + L ₄	✓	✓	✓	✓	✓
Nobivac EDGE® Lepto ₄					✓
Nobivac EDGE® DAPPv + L ₄	✓	✓	✓	✓	✓



VACCINATE WITH PEACE OF MIND. VACCINATE WITH NOBIVAC® LEPTO₄.

To learn more, contact your Merck Animal Health sales representative or your distributor representative.

Customer Service: 1-800-521-5767
(Monday–Friday, 9:00AM–6:00PM EST)

Technical Services: 1-800-224-5318
(Monday–Friday, 8:30AM–7:00PM EST)

Nobivac®
Protection unites us.

References: **1.** LaFleur RL, Dant JC, Wasmoen TL. Prevention of disease and mortality in vaccinated dogs following experimental challenge with virulent *leptospira*. *J Vet Int Med.* 2011;25:747. **2.** LaFleur RL, Dant JC, Wasmoen TL, et al. Prevention of leptospiremia and leptospiruria following vaccination with a DAPPv + 4-way *Leptospira* combination vaccine. Presented at: Proceedings of the ISCAID Symposium; October 16–19, 2016; Bristol, UK. **3.** Infections in pets. Center for Disease Control website. Available at: <https://www.cdc.gov/leptospirosis/pets/infection/index.html>. Accessed October 8, 2020. **4.** Pets. Center for Disease Control website. Available at: <https://www.cdc.gov/leptospirosis/pets/index.html>. Accessed October 8, 2020. **5.** Healthcare workers. Center for Disease Control website. Available at: https://www.cdc.gov/leptospirosis/health_care_workers/index.html. Accessed October 8, 2020. **6.** Ford RB, Larson LJ, McClure KD, Schultz RD, Welborn LV. 2017 AAHA Canine Vaccination Guidelines. AAHA website. Available at: https://www.aaaha.org/globalassets/02-guidelines/canine-vaccination/vaccination_recommendation_for_general_practice_table.pdf. Accessed September 25, 2020. **7.** Data on file. Merck Animal Health. **8.** Nobivac® Lepto₄ [product label]. Madison, NJ: Merck Animal Health; 2018. **9.** Nobivac® Canine 1-DAPPv + L₄ [product label]. Madison, NJ: Merck Animal Health; 2019. **10.** Nobivac EDGE® DAPPv + L₄ [product label]. Madison, NJ: Merck Animal Health; 2019. **11.** Nobivac EDGE® Lepto₄ [product label]. Madison, NJ: Merck Animal Health; 2019.