

# Nobivac<sup>®</sup>:Lepto<sub>4</sub>



● Stop the spreading

● Stop the shedding



NOBIVAC<sup>®</sup> LEPTO<sub>4</sub>—THE FIRST AND ONLY UNIQUE LEPTOSPIROSIS PROTECTION DESIGNED TO GIVE YOU AND YOUR CLIENTS PEACE OF MIND.

**Nobivac<sup>®</sup>** ●●●●●●●●●●  
Protection unites us.

 **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<sup>3,4</sup>
- Asymptomatic dogs
- Public sidewalks, dog parks, and communal areas

### SUBURBAN RISKS

- Carrier animal urine—rats, squirrels, racoons, opossums, and other rodents<sup>3,4</sup>
- 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.<sup>5</sup> It can be spread through infected urine from pets and wildlife,<sup>4</sup> soil, water, and bedding.

**Nobivac® Lepto<sub>4</sub>**

# Their protection should be, too.

**Nobivac® Lepto<sub>4</sub> offers one-of-a-kind protection.**

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

**Shown to be effective against MORTALITY<sup>1</sup> AND URINARY SHEDDING<sup>2</sup>**

**0%** of vaccinated dogs developed leptospiuria\*

**0%** of vaccinated dogs developed leptospiremia\*

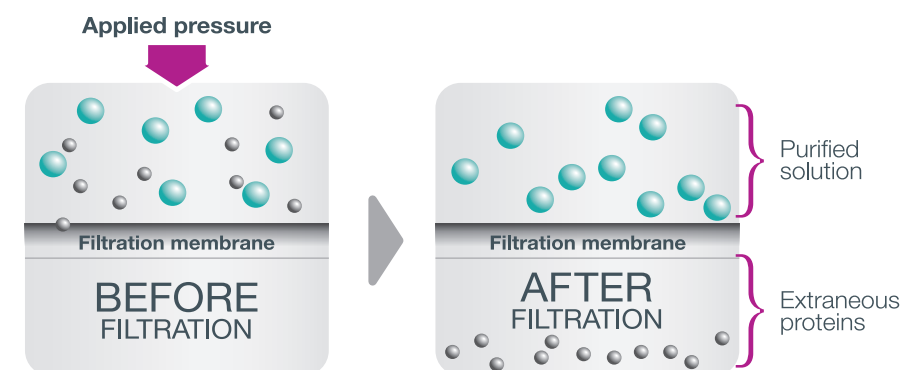
**Protects against 4 VIRULENT SEROVARs in accordance with AAHA guidelines<sup>6</sup>**

- *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® Lepto<sub>4</sub> and challenged with 4 virulent *Leptospira* serovars.<sup>2</sup>

## 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.<sup>7</sup>

Also available in a  
**0.5-mL  
VERSION!**  
**Nobivac EDGE® Lepto<sub>4</sub>**

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

**Nobivac® Lepto<sub>4</sub>**

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



|  |   |   |   |   |   |
|--|---|---|---|---|---|
| Nobivac® Lepto <sub>4</sub>              |   |   |   |   | ✓ |
| Nobivac® Canine 1-DAPPv + L <sub>4</sub> | ✓ | ✓ | ✓ | ✓ | ✓ |
| Nobivac EDGE® Lepto <sub>4</sub>         |   |   |   |   | ✓ |
| Nobivac EDGE® DAPPv + L <sub>4</sub>     | ✓ | ✓ | ✓ | ✓ | ✓ |



VACCINATE WITH PEACE OF MIND. VACCINATE WITH NOBIVAC® LEPTO<sub>4</sub>.

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](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](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® Lepto<sub>4</sub> [product label]. Madison, NJ: Merck Animal Health; 2018. 9. Nobivac® Canine 1-DAPPv + L<sub>4</sub> [product label]. Madison, NJ: Merck Animal Health; 2019. 10. Nobivac EDGE® DAPPv + L<sub>4</sub> [product label]. Madison, NJ: Merck Animal Health; 2019. 11. Nobivac EDGE® Lepto<sub>4</sub> [product label]. Madison, NJ: Merck Animal Health; 2019.