Leptospirosis is serious.

Leptospirosis, caused by the spirochete bacteria *Leptospira*, is a zoonotic disease that occurs worldwide in domestic animals, wildlife and humans. The disease is similar in all animals and humans and may include fever, jaundice, kidney failure, abortion, and death. *Leptospira* bacteria are shed in urine and survive for months to years in surface waters such as lakes, streams and rivers. Therefore, prevention of shedding through vaccination may reduce the potential for further contamination of the local environment.

Looking for nonadjuvanted proven protection against the 4 most prevalent serovars of leptospirosis in dogs?

RECOMBITEK 4 Lepto vaccine:
- Prevents leptospirosis and leptospiuria caused by
  - *Leptospira canicola*
  - *L. grippotyphosa*
  - *L. icterohaemorrhagiae*
- Aids in the prevention of leptospirosis and leptospiuria caused by *L. pomona*
- 15-month DOI for *L. grippotyphosa*
- Protects against shedding spirochetes that transmit disease

*L. grippotyphosa* DOI

Twenty-two 9-week-old specific pathogen-free puppies were vaccinated subcutaneously, twice, 21 days apart, with a 1 mL dose of the efficacy vaccine. 470 days after the second vaccination, 20 vaccinated dogs and 22 control dogs (vaccinated with a placebo) were administered a dog virulent *Leptospira grippotyphosa* challenge (RM52 isolate). 100% of vaccinates were protected from leptospirosis despite most vaccinates being commingled with control dogs actively shedding spirochetes in their urine. 76.2% of dogs vaccinated with a placebo vaccine developed leptospirosis.

<table>
<thead>
<tr>
<th>Leptospirosis by Group</th>
<th>Positive</th>
<th>Negative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Placebo*</td>
<td>16</td>
<td>5</td>
</tr>
<tr>
<td>Test Efficacy Vaccine**</td>
<td>0</td>
<td>20</td>
</tr>
</tbody>
</table>

*One dog did not complete the study  **Two dogs did not complete the study
**Because of this**

| Protects against the 4 most prevalent causative agents of canine leptospirosis | Confidence in protection against most common serovars of leptospirosis |
| Nonadjuvanted | No unnecessary additives |
| Proven in clinical studies:* - 100% effective against *Leptospira canicola,* *L. grippotyphosa* and *L. icterohaemorrhagiae* | Efficacy against disease and shedding |
| 15-month DOI for *L. grippotyphosa* | Lasting protection |

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**Canine Guarantee**

Merial is committed to supporting our canine vaccines. To this end, we will provide support in the rare event of a suspected adverse event (AE) or perceived lack of efficacy (LOE) associated with one of our vaccines.

**Leptospirosis:**

If a dog is found to be positive for leptospirosis after being fully vaccinated for the corresponding serovar (receiving a full course of initial vaccines plus annual boosters as required) Merial will support diagnosis and treatment up to a maximum of $2,500. Dogs that did not complete a full course of vaccines, or test inconclusive, will qualify for support (amount to be determined on a case-by-case basis) depending on the vaccination history of the dog.

*Positive as determined by the criteria outlined under the "terms and conditions"*

**Lyme:**

In the event that a dog is found to be Lyme positive after being properly vaccinated with RECOMBITEK® Lyme, Merial will support testing with either the Cornell Canine Lyme Multiplex Assay or the IDEXX Quantitative OI Antibody Test (please contact VTS to set up support for testing preemptively). If a positive diagnosis is confirmed, Merial will support urinalysis testing and treatment with appropriate antibiotics, such as amoxicillin or doxycycline. More in-depth support will be considered for testing and treatment of definitively diagnosed complications of Lyme disease on a case-by-case basis.

**Canine Core:**

Merial has multiple types of support for the antigens in our core vaccines (C3, C4, C6 combos). In the event of a suspected LOE or adverse event, please contact our VTS group and they will assist you in determining the appropriate support.

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**Protect against canine leptospirosis and leptospiruria caused by *Leptospira canicola,* *L. grippotyphosa,* *L. icterohaemorrhagiae,* and *L. pomona***

**RECOMBITEK 4 Lepto product label description.**

**RECOMBITEK® 4 Lepto** is a liquid suspension of *Leptospira* bacterins containing serovars canicola, grippotyphosa, icterohaemorrhagiae and pomona (LCPGP). Safety and immunogenicity of this product have been demonstrated by vaccination and challenge studies in susceptible dogs.

**Indications.**

This product is recommended for vaccination of healthy dogs 9 weeks of age and older for the prevention of leptospirosis and leptospiruria caused by *Leptospira canicola,* *L. grippotyphosa* and *L. icterohaemorrhagiae,* and as an aid in the prevention of leptospirosis and leptospiruria caused by *L. pomona.*

**Dosage.**

Aseptically inject 1 ml (1 dose) subcutaneously into healthy dogs. For primary vaccination, revaccinate with a second 1 ml dose 3 to 4 weeks later. Revaccination annually with a single 1 ml dose is recommended, although, the revaccination frequency should be determined by the attending veterinarian based on the animal’s age, breed, health status, environment, lifestyle and travel habits. Duration of immunity for *L. grippotyphosa* was demonstrated by challenge in dogs to be at least 15 months following vaccination. A summary of the results of the duration of immunity study is provided in the product's package insert.

**Storage.**

Store at 2-7°C (35-45°F). Do not freeze.

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**Precautions.**

Do not use chemicals to sterilize syringes and needles. This product has not been evaluated in pregnant dogs. In rare instances, administration of vaccines may cause lethargy, fever and inflammatory or hypersensitivity types of reactions. Treatment may include antihistamines, anti-inflammatories, and/or epinephrine, as directed by a veterinarian.

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**To learn more about RECOMBITEK vaccines and how they can benefit your patients, contact your Merial Sales Representative or your Merial Distributor Representative or Call Merial Customer Care:**

1-888-Merial-1 or Visit MERIALconnect.com™

**Ask your Merial Representative about our Satisfaction Guarantee on RECOMBITEK.**

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**The Merck Veterinary Manual website. Leptospirosis in dogs. Available at:**


**RECOMBITEK 4 Lepto Product Label.**

**data on file at Merial.**

**Prevention against leptospirosis and leptospiruria caused by *L. canicola, L. grippotyphosa* and *L. icterohaemorrhagiae* and aids in the prevention against leptospirosis and leptospiruria caused by *L. pomona.*