

***Leptospira kirschneri*, Strain 200701401  
(Serovar Bogvere)**

**Catalog No. NR-19942**

**For research use only. Not for human use.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Leptospiraceae*, *Leptospira*

Species: *Leptospira kirschneri*

Serovar: Bogvere

Strain: 200701401

Original Source: *Leptospira kirschneri* (*L. kirschneri*), strain 200701401 (serovar Bogvere) was isolated in 2007 from a human in Guadeloupe, French West Indies.<sup>1,2</sup>

Comments: Strain 200701401 (serovar Bogvere) was deposited to BEI Resources as part of the [Leptospira Genome Project](#) at the J. Craig Venter Institute's [Genomic Sequencing Center for Infectious Diseases](#) (GSCID). The whole genome sequence of *L. kirschneri*, strain 200701401 (serovar Bogvere) is in progress.

The genus *Leptospira* consists of thirteen pathogenic species, that cause the acute zoonotic-disease leptospirosis, and six free-living saprophytic species found in water and soil that do not infect animal hosts.<sup>3,4</sup> Leptospire are thin, motile, slow-growing obligate aerobe spirochetes with distinctive hooked ends and two axial flagella that cause the acute zoonotic disease leptospirosis.<sup>3,4</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Ellinghausen-McCullough-Johnson-Harrison Medium supplemented with 2.5% DMSO.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**

NR-19942 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**

Media:

Ellinghausen-McCullough-Johnson-Harrison (EMJH) Semi-solid agar (0.15%) or equivalent

Incubation:

Temperature: 30°C

Atmosphere: Aerobic

Propagation:

1. Keep vial frozen until ready for use; thaw slowly.
2. Transfer the entire thawed aliquot into a single tube or jar of semisolid agar.
3. Incubate the tube or jar at 30°C for 10 to 24 days until an opaque disk of growth is visible several millimeters below the surface of the medium (Dinger's disk).
4. Incubate the tube or jar at 30°C for 10 to 24 days until an opaque disk of growth is visible several millimeters below the surface of the medium (Dinger's disk).

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Leptospira kirschneri*, Strain 200701401 (Serovar Bogvere), NR-19942."

**Biosafety Level: 2**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. Picardeau, M., Personal Communication.
2. Bourhy, P., et al. "Serovar Diversity of Pathogenic *Leptospira* Circulating in the French West Indies." PLoS Negl. Trop. Dis. 7 (2013): e2114. PubMed: 23516654.
3. Evangelista, K. V. and J. Coburn. "*Leptospira* as an Emerging Pathogen: A Review of its Biology, Pathogenesis and Host Immune Responses." Future Microbiol. 9 (2010): 1413-1425. PubMed: 20860485.
4. Ko, A. I., C. Goarant and M. Picardeau. "*Leptospira*: The Dawn of the Molecular Genetics Era for an Emerging Zoonotic Pathogen." Nat. Rev. Microbiol. 7 (2009): 736-747. PubMed: 19756012.

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