

***Leptospira interrogans*, Strain HAI0156
(Serovar Copenhageni)**

Catalog No. NR-19891

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Leptospiraceae*, *Leptospira*

Species: *Leptospira interrogans*

Serovar: Copenhageni

Strain: HAI0156

Original Source: *Leptospira interrogans* (*L. interrogans*), strain HAI0156 (serovar Copenhageni) is a human isolate obtained from a patient at Hospital de Apoyo in Iquitos, Peru.^{1,2}

Comments: Strain HAI0156 was deposited to BEI Resources as part of the [Leptospira Genome Project](#) at the J. Craig Ventor Institute's [Genomic Sequencing Center for Infectious Diseases](#) (GSCID). The whole genome sequence of *L. interrogans*, strain HAI0156 is available (GenBank: [AFLP00000000](#)).

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.^{3,4} Leptospire are thin, motile, slow-growing obligate aerobe spirochetes with distinctive hooked ends and two axial flagella that cause the acute zoonotic disease leptospirosis.^{3,4}

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-19891 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) semisolid agar (0.15%) (ATCC® medium 2653) 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).

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Leptospira interrogans*, Strain HAI0156 (Serovar Copenhageni), NR-19891."

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/bmbl5/index.htm.

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References:

1. Vinetz, J. M., Personal Communication.
2. <http://www.ncbi.nlm.nih.gov/bioproject/63825>
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.
5. Vinetz, J. M. and K. Nelson. "*Leptospira* Genomics and Human Health." J. Craig Venter Institute's [Genomic Sequencing Center for Infectious Diseases](http://gsc.jcvi.org/projects/gsc/leptospira/index.shtml). (2010) <<http://gsc.jcvi.org/projects/gsc/leptospira/index.shtml>>
6. Ganoza, C. A., et al. "Determining Risk for Severe Leptospirosis by Molecular Analysis of Environmental Surface Waters for Pathogenic *Leptospira*." *PLoS Med.* 3 (2006): e308. PubMed: 16933963.
7. Segura, E. R., et al. "Clinical Spectrum of Pulmonary Involvement in *Leptospirosis* in a Region of Endemicity, with Quantification of Leptospiral Burden." *Clin. Infect. Dis.* 40 (2005): 343-351. PubMed: 15668855.

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