Leptospira alexanderi, Strain L 60T (Serovar Manhao 3)

Catalog No. NR-22256

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: Leptospiraceae, Leptospira
Species: Leptospira alexanderi
Serovar: Manhao 3
Strain: L 60T (ATCC® 700520™)
Original Source: Leptospira alexanderi (L. alexanderi), strain L 60T (serovar Manhao 3) was isolated in 1979 from a human in China. ²,³
Comments: 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. ²,³,⁶ Leptospires are thin, motile, slow-growing obligate aerobe spirochetes with distinctive hooked ends and two axial flagella that cause the acute zoonotic disease leptospirosis. ²,³,⁶,⁸

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-22256 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%) (ATCC® medium 2653) or equivalent
Note: L. alexanderi does not grow on solid agar.
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 days to 10 weeks until an opaque disk of growth is visible several millimeters below the surface of the medium (Dinger's disk).

Note: Due to the nature of Leptospira to form a Dinger's disk in semi-solid agar, it may be difficult to obtain a homogenous pool of cells to ensure an even distribution in all vials. If growth is not observed after 10 weeks in culture, please contact BEI Resources for a replacement.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Leptospira alexanderi, Strain L 60T (Serovar Manhao 3), NR-22256."

Biosafety Level: 2

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References:

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