

***Leptospira interrogans*, Strain HAI0156 (Serovar Copenhageni)**
Catalog No. NR-19891
Product Description:

Leptospira interrogans (*L. interrogans*), strain HAI0156 (serovar Copenhageni) is a human isolate obtained from a patient at Hospital de Apoyo in Iquitos, Peru. NR-19891 was produced by inoculation of BEI Resources seed lot 62710999 into Ellinghausen-McCullough-Johnson-Harrison (EMJH) semisolid agar (0.15%) and grown for 35 days at 30°C in an aerobic atmosphere. The material from the initial growth was passaged once in EMJH semisolid agar (0.15%) for 23 days at 30°C in an aerobic atmosphere to produce this lot. Quality control testing was completed on EMJH semisolid agar (0.15%) under propagation conditions unless otherwise noted.

Lot: 70049144
Manufacturing Date: 11FEB2022

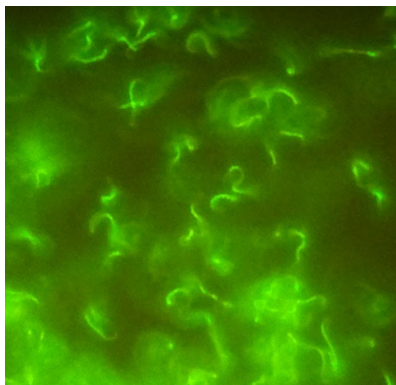
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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Spirochete Growth below the soft agar surface (Dinger's disk) Motile	Spirochete Growth below the soft agar surface (Dinger's disk) ¹ Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	≥ 99% sequence identity to <i>L. interrogans</i> , strain HAI0156 (GenBank: AFLP01000082.1)	100% sequence identity to <i>L. interrogans</i> , strain HAI0156 (GenBank: AFLP01000082.1) ²
Purity 23 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology or no growth	No growth
Viability (post-freeze) Visual observation LIVE/DEAD® BacLight™ Bacterial Viability	Growth Green fluorescence visible	Growth ¹ Green fluorescence visible (Figure 1) ³

¹Disk of dense growth below the soft agar surface [Dinger's disk; Czekalowski, J. W., J. W. McLeod and J. Rodican. "The Growth and Respiration of *Leptospira* in Solid or Semi-Solid Media with Special Reference to Dinger's Phenomenon." *Br. J. Exp. Pathol.* 34 (1953): 588-595.] was evident after 23 days at 30°C in EMJH semisolid agar (0.15%).

²Also consistent with other *Leptospira* species

³Determined after 23 days at 30°C in an aerobic atmosphere on EMJH semisolid agar (0.15%) with LIVE/DEAD® BacLight™ Bacterial Viability Kit, 1000× magnification (Invitrogen™ L34856). Cells with a compromised membrane that are dead or dying will stain red, while cells with an intact membrane will stain green.

Figure 1: LIVE/DEAD® BacLight™ Bacterial Viability

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Technical Manager or designee, ATCC Federal Solutions

08 SEP 2023

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