

Leptospira licerasiae, Strain VAR10 (Seroovar Varillal)
Catalog No. NR-19925

Product Description: *Leptospira licerasiae* (*L. licerasiae*), strain VAR10 (serovar Varillal) was isolated between 2002 and 2005 from a 31-year-old woman with acute differentiated febrile illness in Varillal Village, Iquitos, Peru.

Lot¹: 62710995
Manufacturing Date: 05AUG2014

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) ² (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1390 base pairs)	Consistent with <i>L. licerasiae</i>	Consistent with <i>L. licerasiae</i> ^{3,4}
Purity (post-freeze)⁵	No growth observed	No growth observed
Viability (post-vialing) Visual observation LIVE/DEAD [®] BacLight [™] Bacterial Viability	Growth Green fluorescence visible	Growth ² Green fluorescence visible (Figure 2) ⁶

¹NR-19925 was produced by inoculation of the deposited material into Ellinghausen-McCullough-Johnson-Harrison (EMJH) semisolid agar (0.15%) for 2 days at 30°C in an aerobic atmosphere, and the resulting subculture was vialled and frozen. NR-19925 was produced by inoculation of the frozen subculture into EMJH semisolid agar (0.15%) and grown 14 days at 30°C in an aerobic atmosphere. The material from the initial growth was passaged once in EMJH semisolid agar (0.15%) for 8 days under propagation conditions to produce this lot.

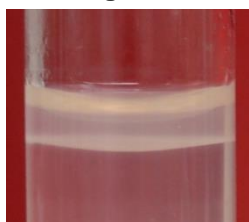
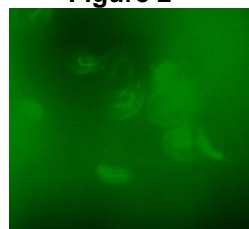
²Disk of dense growth below the soft agar surface (Dinger's disk) (Czekalowski, J. W., J. W. McLeod and J. Rodican. "The Growth and Respiration of *Leptospira* in Solid or Semi-Solid Media with Special Reference to Dinger's Phenomenon." *Br. J. Exp. Pathol.* 34 (1953): 588-595.) was evident after 6 days at 30°C in EMJH semisolid agar (0.15%).

³Also consistent with other *Leptospira* species

⁴≥ 99% identical to *L. licerasiae*, strain VAR10 (GenBank: AH0002000011.1)

⁵Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁶Determined after 6 days incubation under cultivation conditions with LIVE/DEAD[®] BacLight[™] Bacterial Viability Kit, 100x 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

Figure 2


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Date: 10 OCT 2014

Signature:
Title:

Technical Manager, BEI Authentication or designee

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