

***Leptospira wolbachii*, Strain CDC (Serovar Codice)**

Catalog No. NR-35357

Product Description: *Leptospira wolbachii* (*L. wolbachii*), strain CDC (serovar Codice) is a saprophytic strain isolated from water in the USA.

Lot¹: 62380313

Manufacturing Date: 20MAR2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Spirochete Growth below the soft agar surface (Dinger's disk) Report results	Spirochete Growth below the soft agar surface (Dinger's disk) ² (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	Consistent with <i>L. wolbachii</i>	Consistent with <i>L. wolbachii</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-35357 was produced by inoculation of the deposited material into EMJH semisolid agar (0.15%) and grown 22 days at 30°C in an aerobic atmosphere. The material from this growth was passaged once in EMJH semisolid agar (0.15%) for 9 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 62 days at 30°C in EMJH semisolid agar (0.15%).

³Also consistent with other *Leptospira* species

⁴≥ 99.8% identical to *L. wolbachii*, strain CDC (GenBank: AOGZ02000014.1)

⁵Purity of this lot was assessed by weekly observations for 62 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO₂

⁶Determined after 62 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

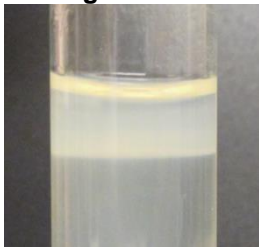


Figure 2



Date: 06 APR 2015

Signature:

Title:

Technical Manager, BEI Authentication or designee

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