

Leptospira meyeri, Strain Went 5 (Serovar Hardjo)

Catalog No. NR-29052

Product Description: *Leptospira meyeri* (*L. meyeri*), strain Went 5 (serovar Hardjo) is a human isolate from Canada.

Lot¹: 62380308

Manufacturing Date: 04MAR2014

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 (~ 1440 base pairs)	Consistent with <i>L. meyeri</i>	Consistent with <i>L. meyeri</i> ^{3,4}
Viability (post-vialing) Visual observation LIVE/DEAD [®] BacLight [™] Bacterial Viability	Growth Green fluorescence visible	Growth ² Green fluorescence visible ⁵

¹NR-29052 was produced by inoculation of the deposited material into Ellinghausen-McCullough-Johnson-Harrison (EMJH) semisolid agar (0.15%) and incubated for 10 days at 30°C in an aerobic atmosphere. The material from the initial growth was passaged once in EMJH semisolid agar (0.15%) for 11 days at 30°C in an aerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO₂.

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 5 days at 30°C in EMJH semisolid agar (0.15%).

³Also consistent with other *Leptospira* species

⁴≥ 99% identical to *L. meyeri*, strain Went 5 (GenBank: AKXE01000007.1)

⁵Determined after 5 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



Date: 17 JUN 2014

Signature:

Title:

Technical Manager, BEI Authentication or designee

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