

**Leptospira meyeri, Strain Semarang Veldrat 173 (Serovar Semarang)**
**Catalog No. NR-35362**

**Product Description:** *Leptospira meyeri* (*L. meyeri*), strain Semarang Veldrat 173 (serovar Semarang) is a saprophytic strain isolated from a rat in Indonesia. Strain Semarang Veldrat 173 is the type strain for serovar Semarang.

**Lot<sup>1</sup>: 61906301**
**Manufacturing Date: 23SEP2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount)	Gram-negative spirochetes Growth below the soft agar surface (Dinger's disk) Report results	Gram-negative spirochetes Growth below the soft agar surface (Dinger's disk) <sup>2</sup> Motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1440 base pairs)	Consistent with <i>L. meyeri</i>	Consistent with <i>L. meyeri</i>
<b>Viability (post-vialing)</b> Visual observation LIVE/DEAD <sup>®</sup> BacLight <sup>™</sup> Bacterial Viability	Growth Green fluorescence visible	Growth <sup>2</sup> Green fluorescence visible <sup>3</sup>

<sup>1</sup>NR-35362 was produced by inoculation of the deposited material into Ellinghausen-McCullough-Johnson-Harrison (EMJH) semisolid agar (0.15%) and incubated for 13 days at 30°C in an aerobic atmosphere. The material from the initial growth was passaged once in EMJH semisolid agar (0.15%) for 13 days at 30°C in an aerobic atmosphere to produce this lot.

<sup>2</sup>Disk 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 13 days at 30°C in EMJH semisolid agar (0.15%).

<sup>3</sup>Determined after 13 days incubation under cultivation conditions with LIVE/DEAD<sup>®</sup> BacLight<sup>™</sup> Bacterial Viability Kit, 100x magnification (Invitrogen<sup>™</sup> L34856). Cells with a compromised membrane that are dead or dying will stain red, while cells with an intact membrane will stain green.

**Date: 08 MAY 2014**
**Signature:**

**Title:** Technical Manager, BEI Authentication or designee

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