

***Leptospira wolffii*, Strain Korat-H2T (Serovar Korat)**

**Catalog No. NR-22250**

**Product Description:** *Leptospira wolffii* (*L. wolffii*), strain Korat-H2T (serovar Korat) was isolated in 2007 from the urine of an adult male in Nakomrachasima Province, Thailand.

**Lot<sup>1</sup>: 62385762**

**Manufacturing Date: 13MAR2014**

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 (~ 1450 base pairs)	Consistent with <i>L. wolffii</i>	Consistent with <i>L. wolffii</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-22250 was produced from a frozen subculture of the deposited material. The subculture was cultivated in Ellinghausen-McCullough-Johnson-Harrison (EMJH) semisolid agar (0.15%) for 7 days at 30°C in an aerobic atmosphere. The material from the initial growth was passaged once in EMJH semisolid agar (0.15%) for 7 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.

<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 7 days at 30°C in EMJH semisolid agar (0.15%).

<sup>3</sup>Determined after 7 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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