

***Leptospira kirschneri*, Strain 200701401 (Serovar Bogvere)**

**Catalog No. NR-19942**

**Product Description:** *Leptospira kirschneri* (*L. kirschneri*), strain 200701401 (serovar Bogvere) was isolated in 2007 from a human in Guadeloupe, French West Indies.

**Lot<sup>1</sup>: 61906297**

**Manufacturing Date: 21OCT2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount)	Spirochetes Growth below the soft agar surface (Dinger's disk) Report results	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. kirschneri</i>	Consistent with <i>L. kirschneri</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-19942 was produced by inoculation of the deposited material into Ellinghausen-McCullough-Johnson-Harrison (EMJH) semisolid agar (0.15%) for 20 days at 30°C in an aerobic atmosphere. The material from the initial growth was passaged once in EMJH semisolid agar (0.15%) for 24 days at 30°C in an aerobic atmosphere to produce this lot. Purity of this lot was assessed for 18 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 13 days at 30°C in EMJH semisolid agar (0.15%).

<sup>3</sup>Determined after 24 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:** 14 MAY 2014

**Signature:**



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

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