Certificate of Analysis for NR-19942

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. NR-19942 was produced by inoculation of BEI Resources seed lot 61906318 onto Ellinghausen-McCullough-Johnson-Harrison (EMJH) semisolid agar (0.15%), which was grown for 21 days at 30°C in an aerobic atmosphere. The material from the initial growth was passaged once in EMJH semisolid agar (0.15%) for 21 days at 30°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70077574 **Manufacturing Date: 09SEP2025**

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Spirochetes	Spirochetes
Colony morphology	Growth below the soft agar surface (Dinger's disk)	Growth below the soft agar surface (Dinger's disk)[1] (Figure 1)
Motility (wet mount)	Motile	Motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	Consistent with *L. kirschneri*	Consistent with *L. kirschneri*[2]
Purity (post-freeze)		
21 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO_2	No growth observed	No growth observed
Viability (post-freeze)		
Visual observation	Growth	Growth[3]
LIVE/DEAD® *Bac*Light™ Bacterial Viability	Green fluorescence visible	Green fluorescence visible[3] (Figure 2)

[1]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 21 days at 30°C in EMJH semisolid agar (0.15%).
[2]Also consistent with other *Leptospira* species
[3]Determined after 21 days incubation under cultivation conditions with LIVE/DEAD® *Bac*Light™ 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: Dinger's Disk

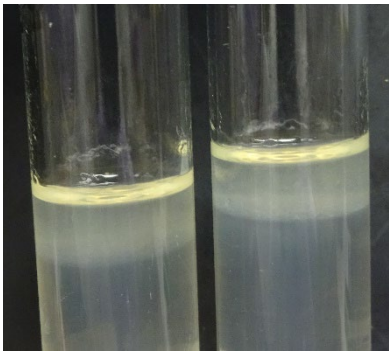
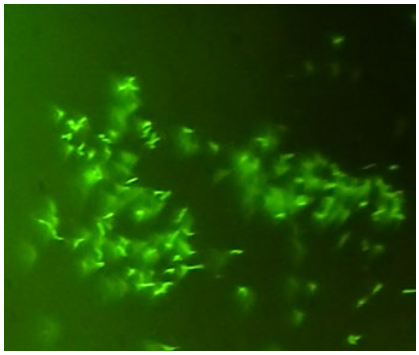


Figure 2: LIVE/DEAD® BacLight™ Bacterial Viability



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/Sonia Bjorum Brower/
Sonia Bjorum Brower 17 FEB 2026
Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

Support Provided by NIAID

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