

***Leptospira interrogans*, Strain 2006006971 (Serovar Grippotyphosa)**

Catalog No. NR-19434

Product Description: *Leptospira interrogans* (*L. interrogans*), strain 2006006971 (serovar Grippotyphosa) was isolated from a human in Egypt.

Lot¹: 62819122

Manufacturing Date: 10OCT2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Spirochete Growth below the soft agar surface (Dinger's disk) Report results	Spirochete Growth below the soft agar surface (Dinger's disk) ² Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs)	Consistent with <i>L. interrogans</i>	Consistent with <i>L. interrogans</i> ^{3,4}
Purity (post-freeze)⁵	No growth observed	No growth observed
Viability (post-vialing) Visual observation LIVE/DEAD [®] BacLight [™] Bacterial Viability	Growth Green fluorescence visible	Growth ² Green fluorescence visible (Figure 1) ⁶

¹NR-19434 was produced by inoculation of the deposited material into EMJH semisolid agar (0.15%) and grown 35 days at 30°C in an aerobic atmosphere. The material from this growth was passaged once in EMJH semisolid agar (0.15%) for 36 days under propagation conditions to produce this lot.

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

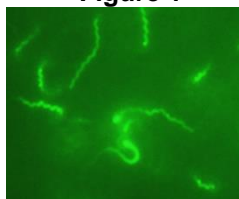
³Also consistent with other *Leptospira* species

⁴100% identical to *L. interrogans*, strain 2006006971 (GenBank: AFJO01000737.1)

⁵Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere.

⁶Viability was determined after 43 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: 14 APR 2015

Signature: 

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