

***Leptospira alexanderi*, Strain L 60T (Serovar Manhao 3)**
Catalog No. NR-22256
Product Description: *Leptospira alexanderi* (*L. alexanderi*), strain L 60T (serovar Manhao 3) was isolated in 1979 from a human in China.

Lot¹: 62380294
Manufacturing Date: 08JAN2015

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Spirochete Growth below the soft agar surface (Dinger's disk) Motile	Spirochete Growth below the soft agar surface (Dinger's disk) ² Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1360 base pairs)	Consistent with <i>L. alexanderi</i>	Consistent with <i>L. alexanderi</i> ^{3,4}
Purity (post-freeze)⁵	No growth	No growth
Viability (post-vialing) Visual observation LIVE/DEAD [®] BacLight [™] Bacterial Viability ⁶	Growth Green fluorescence visible	Growth ² Green fluorescence visible ⁶

¹The deposited material was grown in Ellinghausen-McCullough-Johnson-Harrison (EMJH) semisolid agar (0.15%) for 42 days at 30°C in an aerobic atmosphere and the resulting growth was vialled and frozen. NR-22256 was produced by inoculation of the frozen subculture into EMJH semisolid agar (0.15%) and incubated for 34 days at 30°C in an aerobic atmosphere to produce this lot.

²Disk of 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 91 days at 30°C in EMJH semisolid agar (0.15%).

³Also consistent with other *Leptospira* species

⁴100% sequence identity to *L. alexanderi*, strain L 60T (ATCC[®] 700520[™]) (GenBank: AHMT02000010.1)

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 with 5% CO₂. No growth was expected.

⁶Determined after 91 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.

Date: 08 OCT 2015
Signature:

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