

***Giardia lamblia*, Strain WB, Clone 6 (axenic)**

Catalog No. NR-9706

(Derived from ATCC® 50803™)

Product Description:

Giardia lamblia (*G. lamblia*), strain WB, clone C6 was produced for investigations of variable surface glycoprotein expression. *G. lamblia*, strain WB was isolated from a 29-year-old male in Afghanistan. NR-9706 was produced by cultivation of BEI Resources seed lot 58211818 in Keister's Modified Trypticase-Yeast Extract-Iron-Serum (TYI-S-33) medium supplemented with Diamond's Vitamin solution and 10% heat-inactivated adult bovine serum (HIBS). The culture was propagated for 5 days at 35°C in a microaerophilic atmosphere until peak density was reached.

Lot: 70048884

Manufacturing Date: 14DEC2021

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| Cellular Morphology¹ 2 days at 35°C in a microaerophilic atmosphere in TYI-S-33 medium supplemented with 10% HIBS and Diamond's Vitamin solution | Report results | Teardrop-shaped, motile and refractile |
| Genotypic Analysis² Sequencing of cytidine triphosphate synthase gene (~ 1730 base pairs) | ≥ 99% sequence identity to <i>G. lamblia</i> , strain WB, Clone 6 (GenBank: AACB03000002.1) | 99.9% sequence identity to <i>G. lamblia</i> , strain WB, Clone 6 (GenBank: AACB03000002.1) |
| Viable Cell Count by Hemacytometry² | > 10 ⁶ cells per mL | 1.6 × 10 ⁷ cells per mL |
| Viability (post-freeze)¹ 2 days at 35°C in a microaerophilic atmosphere in TYI-S-33 medium supplemented with 10% HIBS and Diamond's Vitamin solution | Growth | Growth |
| Sterility (21-day incubation)¹ Harpo's HTYE broth, 37°C and 26°C, aerobic ³ Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic DMEM with 10% FBS, 37°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic | No growth No growth No growth No growth No growth No growth No growth | No growth No growth No growth No growth No growth No growth No growth |

¹Testing completed on vial, post-freeze material

²Testing completed on bulk material prior to vialing and freezing

³Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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