

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 3 days at 35°C in a microaerophilic atmosphere until peak density was reached.

Lot: 70079719
Manufacturing Date: 08DEC2025

TEST	SPECIFICATIONS	RESULTS
Cellular Morphology¹ 1 day at 35°C in a microaerophilic atmosphere in TYI-S-33 medium supplemented with 10% HIBS and Diamond's Vitamin solution	Report results	Refractile, flagellated parasites visible
Genotypic Analysis² Sequencing of cytidine triphosphate synthase gene (~ 1650 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/mL	1 × 10 ⁷ cells/mL
Viability (post-freeze)¹ 1 day at 35°C in a microaerophilic atmosphere in TYI-S-33 medium supplemented with 10% HIBS and Diamond's Vitamin solution	Growth	Growth
Sterility (14-day incubation)¹ Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°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

¹Testing completed on vialled, post-freeze material

²Testing completed on bulk material prior to vialing and freezing

/Sonia Bjorum Brower/

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06 APR 2026

Technical Manager or designee, ATCC Federal Solutions

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