

Trichomonas vaginalis, Strain NYCB20

Catalog No. NR-58891

Product Description:

Trichomonas vaginalis (*T. vaginalis*) was isolated in 2008 from a human with symptomatic trichomoniasis in Brooklyn, New York, USA. Strain NYCB20 was deposited to BEI Resources as a genotype type 1 strain sensitive to metronidazole and positive for the *T. vaginalis* virus (TVV). NR-58891 was produced by cultivation of the deposited material in modified Trypticase – Yeast – Maltose (TYM) Basal medium supplemented with 10% heat-inactivated horse serum (HIHS) and 0.71% iron solution for 2 days at 35°C in a microaerophilic atmosphere to produce this lot.

Lot: 70064550

Manufacturing Date: 22NOV2023

TEST	SPECIFICATIONS	RESULTS
Cell Morphology¹ 2 days at 35°C in a microaerophilic atmosphere in modified TYM medium supplemented with 10% HIHS and 0.71% iron	Report results	Ovoid-to-round in clumps, motile and refractive; overall granular appearance (Figure 1)
Genotypic Analysis² Sequencing of 18S ribosomal RNA gene (~ 1420 base pairs)	Consistent with <i>T. vaginalis</i>	Consistent with <i>T. vaginalis</i>
Viable Cell Count by Hemacytometry¹	> 10 ⁶ cells/mL	1.6 × 10 ⁷ cells/mL
Viability¹ 2 days at 35°C in a microaerophilic atmosphere in modified TYM medium supplemented with 10% HIHS and 0.71% iron	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.

Figure 1: Cell Morphology



/Sonia Bjorum Brower/

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12 MAR 2026

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