

Trichomonas vaginalis, Strain NYCC30

Catalog No. NR-58893

Product Description:

Trichomonas vaginalis (*T. vaginalis*), strain NYCC30 was isolated in 2008 from a human with symptomatic trichomoniasis in New York, New York, USA. Strain NYCC30 was deposited to BEI Resources as a genotype type 2 strain sensitive to metronidazole and negative for the *T. vaginalis* virus (TVV). NR-58893 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 3 days at 35°C in a microaerophilic atmosphere to produce this lot.

Lot: 70066370

Manufacturing Date: 01APR2024

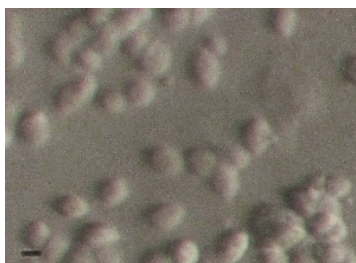
TEST	SPECIFICATIONS	RESULTS
Cell Morphology¹ 2 days at 35°C in a microaerophilic atmosphere in modified TYM medium supplemented with 10% HIHS and 0.71% iron	Report results	Ovoid-to-round in clumps; overall granular appearance (Figure 1)
Genotypic Analysis² Sequencing of 18S ribosomal RNA gene (~ 1420 base pairs)	Consistent with <i>T. vaginalis</i>	Consistent with <i>T. vaginalis</i> ³
Viable Cell Count by Hemacytometry²	> 10 ⁶ cells/mL	3.9 × 10 ⁷ cells/mL
Viability¹ 2 days at 35°C in a microaerophilic atmosphere in modified TYM medium supplemented with 10% HIHS and 0.1% iron	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.

³Although the sequence analysis identified the organism as *T. vaginalis*, the results produced a mixed template. This may have resulted from a non-monoclonal isolate (this isolate may consist of more than one genotype of *T. vaginalis*) or the fact that *T. vaginalis* is a haploid organism and regions of heterozygosity in the 18S rRNA gene are expected.

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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01 APR 2025

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