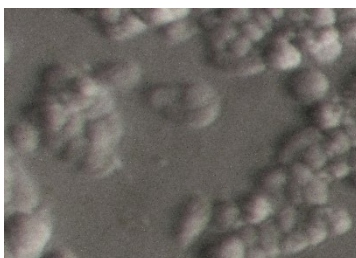


**Trichomonas vaginalis, Strain NYCC32 Clone 8****Catalog No. NR-58896****Product Description:**

*Trichomonas vaginalis* (*T. vaginalis*), strain NYCC32 Clone 8 is derived from NYCC32, which was isolated in 2008 from a human with symptomatic trichomoniasis in Brooklyn, New York, USA. The parental strain NYCC32 is reported to be a mixed genotype strain sensitive to metronidazole and positive for the *T. vaginalis* virus (TVV). NR-58896 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: 70066372****Manufacturing Date: 15APR2024**

TEST	SPECIFICATIONS	RESULTS
<b>Cell Morphology<sup>1</sup></b> 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)
<b>Genotypic Analysis<sup>2</sup></b> Sequencing of 18S ribosomal RNA gene (~ 1420 base pairs)	Consistent with <i>T. vaginalis</i>	Consistent with <i>T. vaginalis</i> <sup>3</sup>
<b>Viable Cell Count by Hemacytometry<sup>2</sup></b>	> 10 <sup>6</sup> cells/mL	3.8 × 10 <sup>7</sup> cells/mL
<b>Viability<sup>1</sup></b> 2 days at 35°C in a microaerophilic atmosphere in modified TYM medium supplemented with 10% HIHS and 0.71% iron	Growth	Growth
<b>Sterility (14-day incubation)<sup>1</sup></b> 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

<sup>1</sup>Testing completed on vial, post-freeze material.<sup>2</sup>Testing completed on bulk material prior to vialing and freezing.<sup>3</sup>Although 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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Technical Manager or designee, ATCC Federal Solutions

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