

***Entamoeba histolytica*, Strain 103:NIH (xenic)**

Catalog No. NR-20085

Product Description:

Entamoeba histolytica (*E. histolytica*), strain 103:NIH was isolated in September 1941 from a case of human amebic dysentery in India.

Lot: 70022601¹

Manufacturing Date: 07MAR2019

TEST	SPECIFICATIONS	RESULTS
Cellular Morphology²	Report results	Adherent, polymorphic and motile
Genotypic Analysis³ Sequencing of 18S ribosomal RNA (rRNA) gene (~ 720 base pairs)	Consistent with <i>E. histolytica</i>	Consistent with <i>E. histolytica</i> ⁴
Functional Activity by PCR Amplification³ 18S rRNA gene	~ 2100 base pair amplicon	~ 2100 base pair amplicon
Viable Cell Count by Hemacytometry³	> 10 ⁵ cells per mL	4.4 × 10 ⁵ cells per mL
Viability (post-freeze)^{2,5}	Growth	Growth

¹NR-20085 was produced by inoculation of BEI Resources NRS-20085 lot 61222126 into TYGM-9 medium supplemented with 5% heat-inactivated adult bovine serum (HIBS), 75 I.U./mL penicillin and 75 µg/mL streptomycin to control bacterial density. The culture was incubated in a xenic and microaerophilic environment for 2 days at 35°C, until peak density was reached.

²Testing completed on vial, post-freeze material

³Testing completed on bulk material prior to vialing and freezing

⁴Also consistent with *other Entamoeba* species

⁵Incubated under propagation conditions for 7 days at 35°C in a xenic and microaerophilic environment

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17 SEP 2019

Program Manager or designee, ATCC Federal Solutions

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