Certificate of Analysis for NR-15432

Entamoeba histolytica, HM-1:IMSS (xenic)

Catalog No. NR-15432

Product Description: *Entamoeba histolytica* (*E. histolytica*), HM-1:IMSS was isolated by B. Sepúlveda and M. Delatorre from a sigmoidoscopy of an adult human male with amoebic dysentery in Mexico in 1967. The xenic culture of *E. histolytica* HM-1:IMSS was produced by reassociating the axenic culture with undefined human bacterial flora.

Lot[1]: 58883440   **Manufacturing Date: 16OCT2009**

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of 18S rRNA gene (~ 1230 bp)	Consistent with *E. histolytica*	Consistent with *E. histolytica*[2]
PCR Assay of Extracted DNA 18S rRNA gene	~ 1800 bp amplicon	~ 1800 bp amplicon
Viable Cell Count by Hemacytometry (pre-freeze)	$> 10^5$ cells/mL	1.3×10^5 cells/mL
Viability (post-freeze)[3]	Growth	Growth

[1]NR-15432 was produced by inoculation of the deposited material into LYSGM media supplemented with 5% heat-inactivated adult bovine serum (HIBS) and 0.1 mg/mL of amikacin to control bacterial density. The culture was incubated in a xenic and microaerophilic environment for 8 days at 35°C, until peak density was reached.
[2]Also consistent with other *Entamoeba* species and *Schistosoma mansoni*
[3]Incubated under propagation conditions for 3 days at 35°C in a xenic and microaerophilic environment

Date: 12 APR 2010   **Signature:** Signature on File

                              Title: Technical Manager, BEI Authentication or designee

Support Provided by NIAID

Biodefense and Emerging Infections Research Resources Repository   E-mail: contact@beiresources.org
www.beiresources.org   Tel: 800-359-7370
                                                                             Fax: 703-365-2898

© 2010 American Type Culture Collection (ATCC). All rights reserved.   NR-15432_58883440_12APR2010
Page 1 of 1