

TROPHOZOITES OF BLASTOCYSTIS HOMINIS IN-VITRO CULTURE TROFOZOITOS DE BLASTOCYSTIS HOMINIS EN CULTIVO IN-VITRO

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Blastocystis hominis is a unicellular organism found in the intestines of humans and animals, its morphological forms (vacuolar, granular, cystic and ameboid), there is controversy in its pathological role, In vivo studies in guinea pigs inoculated with *B. hominis* caused diarrhea although, its pathological role was not fully demonstrated. It is normally 5 µm diameter with a large central vacuole in culture. The culture was inoculated with fresh fecal samples, into tubes with Looche Modified Solution and then were incubated at 36 °C and 5% CO₂, with a 46.3% frequency observed, being a public health problem⁽¹⁾.

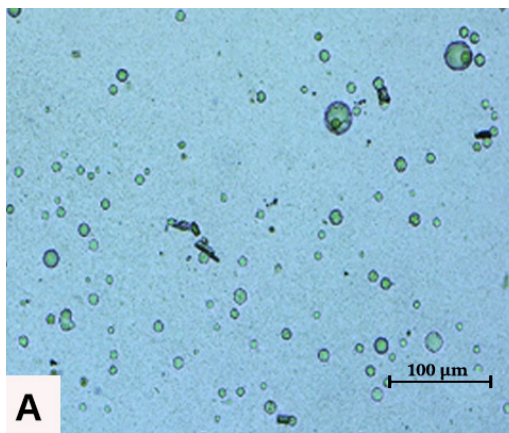


Figure A. Culture in Modified Looche Solution (Direct Microscopic Exam)

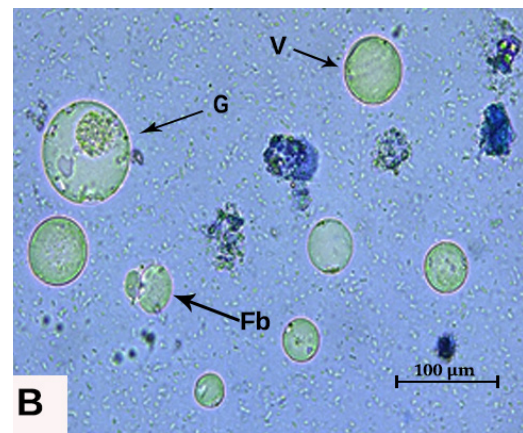


Figure B. Vacuolar Form (Tripian Blue-Staining), G(granular form), V (vacuolar form) and Fb (binary fission)

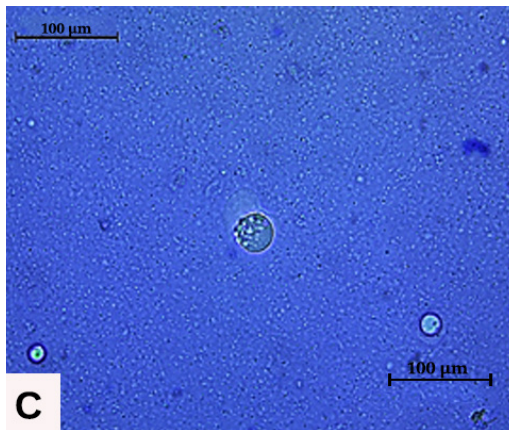


Figure C. Ameboid Form (Direct Microscopic Exam)

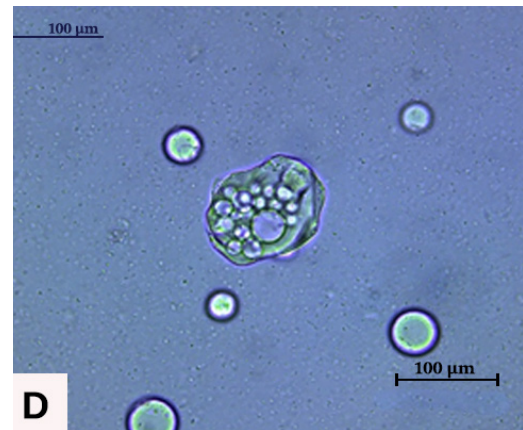


Figure D. Endodogeny Reproduction (Tripian Blue-staining)

REFERENCIAS BIBLIOGRÁFICAS

1. Silva-Díaz, H., Flores-Esqueche, L., Llatas-Cancino, D., Guevara-Vásquez, G., & Silva-García, T. (2016). Frecuencia y susceptibilidad antiparasitaria in vitro de *Blastocystis hominis* en pacientes admitidos en el Hospital Regional Lambayeque, Perú. *Revista de Gastroenterología del Perú* (Vol. 36). Sociedad de Gastroenterología del Perú. Retrieved from http://www.scielo.org.pe/scielo.php?script=sci_arttext&pid=S1022-51292016000300002

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