

Microbiological Survey

"Over half of the world's population is infected with eukaryotic pathogens - fungi, algae, protozoans, and parasitic helminthes¹."

This section of the microbiological laboratory experience was designed to familiarize students with important microorganisms of clinical significance. Below is a comprehensive list of all prokaryotic and eukaryotic organisms available for the microbiological survey portion of lab. Click on a link to a particular organism to access a PDF file including a picture and brief description. A brief summary of is also available in the [microbiological survey table](#).

Bacteria

- [Anabaena](#)
- [Gleocapsa](#)
- [Oscillatoria](#)

Algae

- [Ceratium](#)
- [Chlamydomonas](#)
- [Chlorella](#)
- [Diatoms](#)
- [Peridinium](#)
- [Spirogyra](#)
- [Volvox](#)

Protozoans

- [Amoeba proteus](#)
- [Cryptosporidium parvum](#)
- [Euglena](#)
- [Foraminifera](#)
- [Giardia lamblia](#)
- [Leishmania donovani](#)
- [Paramecium caudatum](#)
- [Plasmodium falciparum](#)
- [Plasmodium malariae](#)
- [Trichomonas vaginalis](#)
- [Trypanosoma cruzi](#)
- [Trypanosoma gambiense](#)
- [Vorticella](#)

Fungi

- [Aspergillus](#)
- [Candida albicans](#)
- [Coprinus](#)
- [Penicillium](#)
- [Rhizopus](#)
- [Saccharomyces cerevisiae](#)

Helminths

- [Ascaris lumbricoides](#)
- [Echinococcus granulosus](#)
- [Echinococcus – hydatid cysts](#)
- [Enterobius vermicularis](#)
- [Fasciola hepatica](#)
- [Loa Loa](#)
- [Necator americanus](#)
- [Planaria](#)
- [Paragonimus westermani](#)
- [Schistosoma mansoni](#)
- [Taenia](#)
- [Trichinella spiralis](#)
- [Trichinella spiralis – encysted larvae](#)
- [Trichiuris trichiura](#)

Arthropod Vectors

- [Anopheles mosquito](#)
- [Dermacenter variabilis](#)
- [Glossina tse-tse fly](#)
- [Ixodes dammini](#)
- [Pediculus humanis](#)
- [Xenopsylla cheopis](#)

¹ Tortora, G. J., Funke, B. R., & Case, C. L. (2004). Microbiology - An Introduction. San Francisco, CA: Pearson Education, Inc.