Prepared Specimens

Background Information

In the clinical laboratory the technician will be confronted with specimens containing a wide variety of bacteria and parasites. In order to be prepared for this task, it is imperative that the student be comfortable with finding bacteria in clinical specimens.

The student will be given a set of commercially prepared slides of tissues or body fluids containing bacteria and parasites. These slides allow the student to observe specimens that would not be normally available in this laboratory.

Purpose

The purpose of this laboratory exercise is to allow the student an opportunity to observe bacteria and parasites in clinical specimens.

Methods and Materials

Materials

1) Commercially prepared slides of tissues and bodily fluids containing bacteria and parasites.

Protocol

For today's lab the microscopes and specimens will be set up for the student. All you need to do is observe the slides and specimens and write down any descriptive notes you need to be able to identify the organisms in the future.

Table 1

Slide	Bacteria
N. gonorrhoeae	
M. tuberculosis **in sputum**	
Bacillus anthracis **Section**	

S. pneumoniae **Sputum specimen**	
Streptococcus **group G smear**	
S. aureus **synovial fluid smear**	
Diplococcus pneumoniae **in human blood**	
Corynebacterium diphtheriae	
Borrelia burgdorferi **in blood**	
Vibrio cholerae	
	Parasites
Entamoeba histolytica **cysts**	
Entamoeba histolytica **trophozoites**	

Giardia lamblia **cysts**	
Giardia lamblia **trophozoites**	
Toxoplasma gondii **smear**	
Leishmania tropica **culture smear**	
Trypanosoma cruzi **blood smear**	
Plasmodium vivax **blood smear**	
Plasmodium faliciparum **blood smear**	
Enterobius vermicularis	
Trichomonas vaginalis	

Paragonimus Westernii	
Taenia **Proglotitids**	
Tapeworm scolex	
Ixodes **Ticks – male and female**	
Dermacentor **Ticks – male and female**	
Ascaris	
Fasciola	