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Section: Education Manual	Subject Title: General Overview of Weekly Bench Rotations	
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GENERAL OVERVIEW OF WEEKLY BENCH ROTATIONS

Specimen Management and Media

Culture the following specimens:

- Urines
- Stools
- Cervical swabs
- Vaginal swabs
- Throat swabs
- Sputa (including screening)
- Bronchial washings
- Miscellaneous swabs
- Tissues
- Fluids, including CSF

Stain and read Gram smears.

Stain and read Zn stain .

Observe Cryptococcal Latex Agglutination

Prepare a batch of medium from start to finish.

Carry out quality control of media.

Use and check operation of autoclave.

Urine Bench

Read plates for colony counts.

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Bacteria to have seen and identified:

Proteus mirabilis
Escherichia coli
Klebsiella species
Staphylococcus saprophyticus
Enterococcus
 Yeast
Pseudomonas species

Stool Bench

Know biochemical reactions and specific media for:

Salmonella spp.
Shigella spp.
Campylobacter spp.
Yersinia enterocolitica
Escherichia coli 0157:H7

Genital Bench

Read vaginal smears and wet preps. Should see lots of normal smears and vaginosis smears plus see yeast and *Trichomonas*.

Bacteria to have seen and identified:

Neisseria gonorrhoeae
Beta Hemolytic Streptococcus Group B

Respiratory Bench

Bacteria to have seen and identified:

Group A Streptococcus
Klebsiella pneumoniae
Hemophilus influenzae
Hemophilus parainfluenzae
Streptococcus pneumoniae
Moraxella catarrhalis
Candida albicans
Candida spp.

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Miscellaneous & Sterile Fluids

Bacteria to have seen and identified:

Staphylococcus aureus including MRSA
Serratia marcescens
Enterococcus species
Streptococcus milleri group
Bacteroides species
Prevotella species
Clostridium perfringens
Fusobacterium species
Enterobacteriaceae
Pseudomonas species

Perform Cryptococcal Latex Agglutination test (done by send-out bench technologist)

Blood Culture Bench

Operate the BacT Alert machine and assist with processing the specimens. Assist in working up the positives.

Staph. aureus
Neisseria meningitidis
Listeria monocytogenes
Corynebacterium spp.
Viridans streptococcus
Coagulase negative staphylococcus
Enterobacteriaceae
Enterococcus spp.

Serology / Virology

Observe the following procedures:

Serology:

AXSYM machine for serological tests
Monospot Testing, HTLV testing, VDRL test manual tests
Chlamydia, Hep C RNA, Hep B DNA PCR tests
Vidas machine for VZ
Clostridium difficile toxin testing
HIV via EIA (For Residents Only)

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Virology:

- Specimen Management
- Tube cultures
- Shell vials
- IFA /DFA staining
- CMV Antigenemia

Mycology

Observe the following procedures:

- Calcofluor stain for fungus

- Isolation of various fungi and yeast, including knowledge of different media used.