

Clinical Rotation Site:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Preceptor Printed Name(s):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Microbiology Clinical Rotation**

Competency Checklist

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Area** | **Specific requirements** | **Notes** | **Check off** |
| **Quality Control and Maintenance** | Performs QC on routinely used microbiology reagents, media, and applicable instrumentation |  | ⃝ Completed  ⃝ Not Applicable |
| Observes or performs preventative maintenance on microbe identification and blood culture instruments |
| **Specimen Processing**  **(except 2 week rotations)** | State the sample types that are acceptable/rejection criteria for each type of culture or rapid test. | NO PROCESSING IF THIS IS A 2-WEEK ROTATION | ⃝ Completed  ⃝ Not Applicable |
| Correctly identifies source identification and proper labeling |
| Appropriately streaks, inoculates, incubates, and/or packages the specimens according to procedure |
| **Blood Cultures** | Read/discuss principle of the instrument operation or test procedure reaction. |  | ⃝ Completed  ⃝ Not Applicable |
| Load and unload blood culture bottles |
| Discuss and/or perform the procedure for processing and “calling” positive blood cultures |
| **Microbial ID and Sensitivity** | Discuss the methodology of the microbial identification and sensitivity system. |  | ⃝ Completed  ⃝ Not Applicable |
| Successfully inoculate and read ID and sensitivity panels. |
| Recognize and troubleshoot results that are unexpected or unacceptable. |
| **Gram Stains**  **(except 2 week rotations)** | Successfully completes a **minimum of 5 respiratory, 5 blood culture, and 5 wound/misc gram stains)** | NO GRAM STAINS IF THIS IS A 2-WEEK ROTATION | ⃝ Completed  ⃝ Not Applicable |
| **Plate Reading**  **(only during 2 or 3 week rotations)** | Discuss, observe, and participate in identifying pathogenic organisms in the following types of cultures: blood cultures, respiratory, gastrointestinal, urogenital, and miscellaneous sites such as wounds, CSF and other body fluids.) | NO PLATE READING DURING 1 WEEK ROTATIONS | ⃝ Completed  ⃝ Not Applicable |
| Identify normal flora and differentiate normal flora from pathogens in each of culture types listed above. |
| **Theory** | Discuss the clinical significance of abnormal results obtained, correlating patient results as to possible disease and/or therapy states. |  | ⃝ Completed  ⃝ Not Applicable |
| **Special Procedures** | Catalase, Coagulase, Staph or Strep Typing | ⃝ Completed ⃝ Not Available | Other/Notes: |
| Oxidase, Indole, PYR | ⃝ Completed ⃝ Not Available |
| Catarrhalis, Microdase, Cefinase disks | ⃝ Completed ⃝ Not Available |
| Wet mounts | ⃝ Completed ⃝ Not Available |
| MRSA screens | ⃝ Completed ⃝ Not Available |
| Kirby Bauer, Etest, etc. | ⃝ Completed ⃝ Not Available |
| Molecular Diagnostics (Cepheid, OptiGene, etc.) | ⃝ Completed ⃝ Not Available |
| Serology tests (Flu, Strep, RSV, etc.) | ⃝ Completed ⃝ Not Available |