

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

Preceptor Printed Name(s):

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

**Hematology 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 hematology and coagulation analyzers and coag centrifuge |  | ⃝ Completed⃝ Not Applicable |
| Observes or performs preventative maintenance on hematology and coagulation analyzers |
| Evaluates Levey-Jennings charts for Westgard Rule violations |
| Troubleshoot QC violations in both hematology and coagulation |
| **Blood Smears** | Successfully prepares a minimum of **10 blood smears** with feathered edges and evenly distributed cells |  | ⃝ Completed⃝ Not Applicable |
| **Specimen Acceptability**  | Discuss the reasons and follow-up procedures for rejection of samples according to department protocol.  |  | ⃝ Completed⃝ Not Applicable |
| **Analyzer operation and Reporting** | Read/discuss principle of the instrument operation or test procedure reaction. |  | ⃝ Completed⃝ Not Applicable |
| Perform instrument start-up and/or shutdown. |
| Evaluates histograms, scatterplots, clot curves for accuracy |
| Discuss “critical” or “panic” values and reporting protocol |
| Discuss and observe LIS result entry. |
| Discuss and observe delta check protocol. |
| **Theory** | Discuss the clinical significance of abnormal results obtained, correlating patient results as to possible disease and/or therapy states. |  | ⃝ Completed⃝ Not Applicable |
| **Manual Differentials/****Cell Counts** | Successfully perform a minimum of **15 “normal” manual differentials (blood or body fluid)** |  | ⃝ Completed⃝ Not Applicable |
| Successfully perform a minimum of **15 “abnormal” manual differentials (blood or body fluid)** |
| Successfully performs a minimum of **3 body fluid cell counts** according to laboratory procedure |
| Reviews criteria for pathology review of blood and body fluid smears |
| **Special Procedures** | Bone Marrow collection and smear preparation | ⃝ Completed ⃝ Not available | Other/Notes: |
| Reticulocyte Counts | ⃝ Completed ⃝ Not available |
| Erythrocyte sedimentation rate | ⃝ Completed ⃝ Not available |
| Malarial smear | ⃝ Completed ⃝ Not available |
| Sickle cell solubility | ⃝ Completed ⃝ Not available |
| Platelet function assay | ⃝ Completed ⃝ Not available |
| TEG | ⃝ Completed ⃝ Not available |
| Urinalysis (QC, dipstick, UA microscopics) | ⃝ Completed ⃝ Not available |