

UNIVERSITY MEDICAL CENTER OF SOUTHERN NEVADA
RFP No. 2011-06
Hematology System

March 23, 2011

ADDENDUM NO. 1

General Conditions

Please make the following changes under General Conditions.

1. # 8. Submittal Requirements:

PROPOSER shall submit **ten (10)** ~~nine (9)~~ copies of the proposal: one (1) labeled "Original" and **nine (9)** ~~(8)~~ copies.

2. #18. Evaluation Criteria, Section I. ~~Implementation Plan.~~

Please change the heading of this section to "**Daily Instrumentation Start-Up**"

To clarify, UMC is looking for individual details and time frames, such as "Day One: Unload analyzer and attach electrical, plumbing, etc.; Day Two: Begin validation studies; Day Three: Begin interface startup; etc." For routine daily startup, please describe what is involved, such as "Engage STARTUP button; review self-check reports/data; run quality control material; etc."

QUESTIONS / ANSWERS

Q.1 Please provide the testing volumes for 2010 as listed below.

A.1 See below:

a.	CBC with Diff	174,688
b.	CBC without Diff	N/A (UMC does not offer a CBC without Diff test option)
c.	Hemoglobins and Hematocrits (H&H)	7,806
d.	Platelet Counts	2,135
e.	Manual Differentials	32,749
f.	Retics	2,253

Q.2 Approximately what proportion of samples currently require slides?

A.2 25% of samples currently require review

Q.3 Are there any samples that always require slides?

A.3 Slides where the physician specifically orders a manual differential; see type of order is most frequently seen with newborn patients

Q.4 What are the general criteria for samples that require slides?

A.4 Please see the Policy listed on the next page

DEPARTMENT OF PATHOLOGY

POLICIES AND PROCEDURES

H-009

SUBJECT: CRITERIA FOR REVIEW AND/OR MANUAL DIFFERENTIAL PERFORMANCE

*****OBSERVE STANDARD PRECAUTIONS*****

PURPOSE:

To review blood smear and/or perform differentials based on CBC/auto diff criteria that would indicate the presence of abnormal or atypical cell types.

PROCEDURE:

- I. If a scan needs to be done and it is not for RBC morphology or MCV, do not verify the auto differential or platelets if flagged. Review the blood slide. If scan confirms auto differential, enter appropriate comment and verify scan and auto differential. If scan does not confirm auto differential or the presence of immature or abnormal cells is noted, delete auto differential and order a manual differential.
- II. If a differential was performed less than 72 hours for any reason except NRBC, do not perform another diff. Delete the auto diff and enter a comment to refer to last manual differential performed.
- III. **DIFFERENTIALS WILL be done once per 72 hours if:**
 1. The doctor requests it.
 2. The WBC $> 30 \times 10^3$ cmm.
< 2.0×10^3 cmm. And $> 0.5 \times 10^3$ cmm.
 3. Immature NE 2 Flag
 4. Coulter LH750 does not report out an auto differential, delete auto differential.
- IV. **A DIFFERENTIAL will be performed once per admission if the Coulter LH750 reports:**
 1. Monos (>20%)
 2. Eosinophils are >30%
 3. Basophils are >4%
 4. Variant Lymphs
 5. Lymph >50% if older than 10 years old

NOTE: Differentials on specimens with a WBC of 0.5 or less will not be done, but it is necessary to scan the slide every 7 days for atypical cells and to confirm the auto diff. If no atypical cells are noted and the cells present agree with the auto diff, report the auto differential. If atypical cells are present, delete auto diff, order a manual diff and report cells present with appropriate comment(s).

NOTE: If enough WBCs cannot be found to perform a 100 WBC differential due to a low white count, you may count 25 or 50 cells and multiply each cell type cells found by the appropriate number to bring the total to equal 100%.

Example: 25 cells counted. 18 Neut., 5 Lymphs, 2 Monos, 0 Eos, 0 Basos

Neut =	18 x 4 = 72
Lymphs =	5 x 4 = 20
Monos =	2 x 4 = 8
Eos	0
Baso	<u>0</u>
	100

V. A SCAN will be performed every time if the Coulter LH750 reports any of these flags:

1. Platelet Clumps and Giant Platelets – Scan slide for platelet check. If clumping is noted, change the automated count to “Adequate”, “Increased” or “Decreased” and request a citrated tube. Enter CPLT (Due to possibility of platelet clumping, please draw a blue top tube in addition to a purple top when a CBC is requested in the future)comment. If no platelet clumps are noted, perform and report the platelet estimate.

NOTE: LH750 may occasionally not report platelet flags. Always check previous platelet count. If significantly different from previous results, check specimen for clot and rerun. Confirm results by reviewing slide prior to reporting of results. Enter appropriate comment(s).

2. RBC Fragments
3. Cellular interference
4. NRBC Flag - If present perform manual differential. Compare NRBC's counted (with manual differential) and the number of NRBC' reported by hematology analyzer, estimate WBC. If significantly different, correct WBC using the NRBC's counted from manual differential and the uncorrected WBC from the hematology analyzer.
5. Blasts Flag - If blasts are present and it is the first time blasts are present on the patient, order a pathologist interpretation (PBS) and do not verify your differential until confirmed by Pathologist. If no pathologist is available, enter comment “Tentative Differential, Results Sent to Pathologist for Review.”
6. R codes

VI. A SCAN will be performed once per admission if the Coulter LH750 reports any of these flags:

1. RBC Morphology greater than 2+ Anisocytosis and 2+ Hypochromia
2. MCV – Less than 70 or greater than 110
3. Platelet Counts less than 80,000 or greater than 750,000 – Scan slide and do a platelet estimate to confirm.
4. Hgb less than 7.0 or greater than 18.0

REFERENCE:

Communication with Laura Bilodeau, M.D., Laboratory Medical Director, March 2007.

021711: HEI: CBCREVIEW.M

Distribution:

Hematology Procedure Manual

Master Procedure File

[END OF POLICIES AND PROCEDURES DOCUMENT]

The RFP due date of **Tuesday, April 12, 2011 at 2:00:00 P.M.** remains the same. Should you have any questions, please contact me at (702) 207-8291 or via email at Rebekah.holder@umcsn.com.

Issued by:

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UMC