

LH AUTO VERSUS MANUAL SAMPLING

- St. Joseph Medical Center Tacoma, WA
 St. Clare Hospital Lakewood, WA
 St. Elizabeth Hospital Enumclaw, WA
 St. Francis Hospital Federal Way, WA
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 PSC

PURPOSE

To provide instructions for performing automatic versus manual sampling on the LH analyzers.

BACKGROUND

A patient CBC sample will be run through both the Automatic and the Manual sampling modes of the LH hematology analyzers. WBC, RBC, HGB, MCV and PLT parameters between modes will be compared for correlation.

RELATED DOCUMENTS

M-F-HEM2002 LH Series Auto Vs Manual Sampling Log

STEPS

1. Using the Manual mode, run a patient that has already been run using the Auto mode.
2. Compare the WBC, RBC, HGB, MCV and PLT results from the Auto mode to the same results from the Manual mode, using the criteria below:
 - WBC: $<11.0 \pm 0.4$ or $>11.0 \pm 0.9$
 - RBC: $<4.5 \pm 0.14$ or $> 4.5 \pm 0.2$
 - HGB: ± 0.3
 - MCV: ± 1.0
 - PLT: $< 130 \pm 15$ or $130-350 \pm 30$ or $> 350 \pm 45$
3. Record on the LH Series Auto Vs Manual Sampling Log
4. If the results from the secondary mode fall outside the acceptable criteria, repeat steps 2 and 3 using another patient.
5. If results are still outside acceptable criteria, take the LH analyzer out of operation, and convert to using another analyzer.
6. Contact TIC, Coordinator or Beckman service for resolution.


REFERENCE

Coulter LH700 Series Operators Guide

DOCUMENT APPROVAL Purpose of Document / Reason for Change:

Update with current practice.

No significant change to process in above revision. Per CAP, this revision does not require further Medical Director approval.

Committee Approval Date	<input checked="" type="checkbox"/> Date: 1/9/2014 <input type="checkbox"/> N/A – revision of department-specific document which is used at only one facility	Medical Director Approval (Electronic Signature)	 1/6/14
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