

<b>LH RUNNING AND REVIEWING QUALITY CONTROL</b>
---

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> St. Joseph Medical Center, Tacoma, WA            | <input checked="" type="checkbox"/> St. Anthony Hospital Gig Harbor, WA | <input type="checkbox"/> Harrison Medical Center, Bremerton, WA  |
| <input checked="" type="checkbox"/> St. Francis Hospital, Federal Way, WA | <input type="checkbox"/> St. Elizabeth Hospital Enumclaw, WA            | <input type="checkbox"/> Harrison Medical Center, Silverdale, WA |
| <input checked="" type="checkbox"/> St. Clare Hospital Lakewood, WA       | <input checked="" type="checkbox"/> Highline Medical Center Burien, WA  | <input type="checkbox"/> PSC                                     |

**PURPOSE**

To provide instructions for running and reviewing Coulter 5C and Retic-C series controls on the LH Hematology Analyzers.

**BACKGROUND**

The Manufacturer recommends that Quality Control checks be performed at intervals established by each laboratory.

- **Two or Three levels of controls—Normal and Abnormal I, Abnormal II, according to your sites practice.**
- **All levels run at least every 24 hours or per instrument volume or manufacturer recommendations.**

The results are reviewed to assure that results fall into the appropriate range for each level.

**RELATED DOCUMENTS**

M-W-HEM-1307      LH Running Latron Primer and Controls

**EQUIPMENT / SUPPLIES**

5C Normal Control  
5C Abnormal I Control and/or Abnormal II  
Retic C, levels 1, 2 and 3

**RUNNING QC STEPS**

**NOTE: When opening a new vial of QC material, DATE AND TIME opened, open expiration date and TECH ID must be documented on EACH vial.**

1. Check that the Workstation Setting is set to AUTO ANALYSIS.
2. Verify the lot number of the control by clicking with the mouse on QA, QC, then clicking on the [PLUS] (+) sign next to the 5C or the RETIC-C to bring up the lot numbers of the control.
3. Ensure that there is sufficient volume of control in vial for one sampling.
4. Let Controls sit at Room Temperature for 10-15 minutes.
5. Mix using 8x8x8 method twice, as follows: (No mechanical mixing)
  - Roll the vial, cap up, gently between palms 8 times.

- Turn the vial cap down, and repeat, rolling 8 times again.
  - Holding the vial between thumb and forefinger, rock gently side to side 8 times.
6. Load control with barcode showing into proper cassette. (no lip at back of Cassette- LH750 only).
  7. Place the cassette into the loading bay.
  8. The instrument automatically cycles the controls.

**REVIEW QC STEPS**

1. Using the mouse, select QA on the command Center.
2. Select QC to display the Controls Window.
3. Select the specific control for which you are reviewing results.
4. The control results table, statistics and graphs will appear on the screen.
5. Use the scroll bars to view parameters and graphs not visible on the screen. Make sure all your QC ran and posted to the QC file. If the QC is not there, possible reasons are:
  - barcode label was not read
  - intended lot number was not really run
  - wrong level of QC run
6. Click on CMNT to add comments to control run, i.e. reason for QC failure, action taken, etc. Please include your Tech ID in your comments.
7. Click on the green check to store comments.
8. At the left of the screen, Click on the “X” in the column marked DES (for deselect), if you want to remove the data from the data averages.

**REFERENCE**

Coulter 700 Series Operator’s Guide 3-6

**REFERENCE**

Coulter LH700 Series System Operator’s Guide 3-6.