

<b>LH RUNNING LATRON PRIMER AND 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 the latex controls (Latron) on the LH Hematology Analyzers.

**BACKGROUND**

The LH Series System uses a stabilized particle suspension, such as Latron, to verify flow cell alignment, gains, and CVs for flow cell volume, conductivity and light scatter. The Latron Primer and Control are run each time the Daily Startup is done.

**RELATED DOCUMENTS**

M-W-HEM-1306      LH Running and Reviewing Quality Control

**EQUIPMENT / SUPPLIES**

Latron Primer and Controls for Reticulocyte and Differential values, Level 2.

**STEPS**

**NOTE: When opening new vials of primer or controls, these must be documented on each vial**

- **DATE AND TIME** opened,
- **Open expiration date, 30 days after opening vial**
- **TECH ID**

1. Open the front cover and clean the secondary mode probe with distilled H2O.
2. LH750 - Check that the instrument Process Type on the Command Center is set to **Auto Analysis**.  
LH500 – Set Process Type to Control and Run type to Ltx Prime.
3. Ensure that the Latron primer and control are correct temperature (18-30°C)
4. To verify the lot number of primer and control, Click On [QA, QC], then click on [Plus] (+), beside the [Latron File].
5. LH750 only - Press [F57] then [ENTER] on the Numeric Key Pad.
6. The Numeric Keypad will display PRESS MANUAL OR CLEAR APERATURE.
7. Press [CLEAR APERATURE]

8. Remove the cap of the Latron Primer vial.
9. Immerse the aspirator tip in the Latron Primer vial. The instrument will aspirate automatically.
10. Remove the vial from the aspirator tip when you hear a beep.
11. Check the results from the primer by Clicking on [QA, QC, LATRON].
12. If the results in the primer columns for both 5PD (5 part diff), and Retic are  $\leq 500$ , proceed. If results are  $> 500$ , consult Coulter Operator's Guide, 3-5, # 12.
13. LH 750- Press [ENTER] on the Numeric Keypad, to reactivate the function for the Latron Control.  
LH 500- change Run Type to Latex.
14. LH 750 only- The Numeric Keypad will display PRESS MANUAL OR CLEAR APERTURE.
15. Gently mix the Latron Control 5-8 times without foaming.
16. Immerse the aspirator tip in the Latron control vial. The instrument automatically aspirates the control.  
DO NOT PRESS CLEAR APERTURE!
17. Remove the vial from the aspirator tip when you hear a beep.
18. Verify the results from the control by selecting QA, QC, Latron. See Operator's Guide 3-9 if Latron Control is outside the ranges defined.
19. Press STOP on the Numeric Keypad, to exit this function.
20. The Numeric Keypad will display READY.

## REFERENCE

Coulter LH700 Series Operator's Guide 3-4, 3-5.

G:\Lab\LAB\Document Control\Hematology Active	Effective Date: 3/9/17, 4/14/11	Page 2 of 2
<i>Unauthorized use or copying of this document is prohibited by FHS.</i>		