

# Cholestech LDX® System

## Running ALT/AST and Lipid Profile and hs-CRP on the Same Patient

If you want to run a Lipid Profile, ALT/AST, and hs-CRP on a patient you will need to follow this protocol:

1. Place plungers into two **red-lined** capillary tubes.
2. Remove the ALT/AST cassette from the pouch and place it on the table
3. Perform the fingerstick, making sure there is good blood flow. Wipe off the first large drop.
4. Fill one **red-lined** capillary tube and immediately dispense the sample into the ALT/AST cassette well. Immediately place the cassette in the cassette drawer and push the RUN button.
5. Wipe any remaining blood off the finger with gauze and fill the second capillary tube.
6. Let the second **red-lined** capillary tube sit on the table until the ALT/AST test is complete and the drawer is open. Results will print.
7. While the results are printing, remove the ALT/AST cassette from the drawer. Place it in a biohazard container.
8. Remove the Lipid Profile cassette from the pouch and place it on the table.
9. When printing stops, dispense the second capillary tube into the well of the Lipid Profile cassette.
10. Immediately place the Lipid Profile cassette in the cassette drawer and push the RUN button.
11. Place a plunger into one **green-lined** capillary tube.
12. Perform a second fingerstick on a ring or middle finger of the opposite hand, making sure there is good blood flow. Wipe off the first large drop.
13. Fill the **green-lined** capillary tube.
14. Let the **green-lined** capillary tube sit on the table top until the Lipid test is complete and the drawer is open. Results will print.
15. While the results are printing, remove the Lipid cassette from the drawer. Place it in a biohazard container.
16. Remove the **green** hs-CRP cassette from the pouch and place it on the table.
17. When the printing stops, dispense the **green-lined** capillary tube into the well of the **green** hs-CRP cassette.
18. Immediately place the hs-CRP cassette in the cassette drawer and push the RUN button.
19. When the drawer opens, remove the cassette and place it in a biohazard container.
20. Results will print.

### Notes:

- Good fingersticks with adequate blood flow are critical to obtaining sufficient sample for running all three cassettes.
- Follow the fingerstick suggestions in the Testing Procedure section of the User Manual
- Timing is critical. A sample should not sit in the capillary tube for more than 5 minutes.
- The capillary tube sample should not be pre-loaded and allowed to sit in the cassette.
- Once the sample is dispensed into the cassette well, it should *immediately* be placed on the tray. Push the RUN button *immediately* to start the test.
- Place all capillary tubes, plungers, cassettes and lancets in a biohazardous waste container after use.
- Tests should be run in ALT/AST - Lipid - hs-CRP order.
- All cassettes should be placed on a flat, dry, non-absorbent surface to introduce the sample

Please call Cholestech Technical Service (800) 733-0404 with any questions about this procedure.