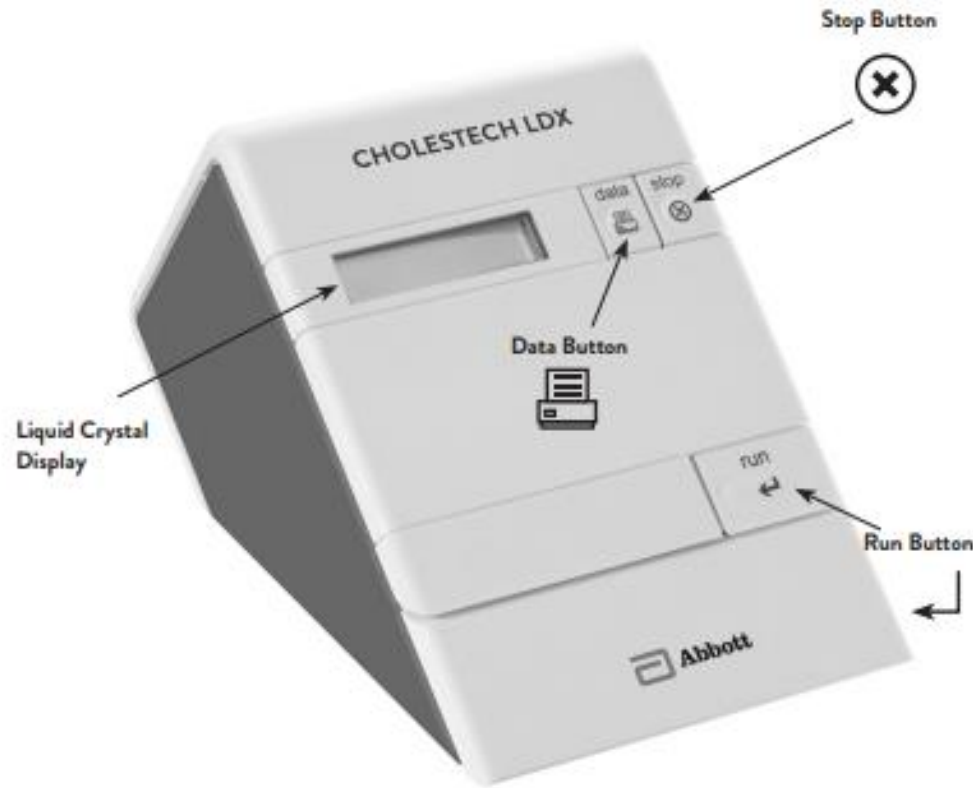


Cholestech LDX[®]

- The Alere Cholestech LDX[®] Analyzer uses reflectance photometry (the amount of light reflected from a solid surface) to measure the amount of substances in blood.
- The analyzer measures color changes of the four reagent pads. The amount of color formed is converted by the analyzer to a concentration and the results are shown on the liquid crystal display (LCD) screen.



How the Cholestech LDX™ Analyzer Works



- **RUN:**

- 1. Opens the cassette drawer and activates the analyzer when the analyzer is running.
- 2. Starts a test. Press the RUN button after cassette is placed in the drawer to start a test.
- 3. Allows you to enter information into the CHD Risk Assessment Program and change settings in the Configuration Menu when used with the DATA button

DATA

- 1. Allows you to review the results from the last cassette tested.
- 2. Allows you to enter information into the Risk Assessment Program.
- 3. Allows you to change settings in the Configuration Menu

STOP

Stops a test.

Closes the drawer.

Allows you to enter and exit the Configuration Menu of the analyzer.

The drawer will close, and the screen will go blank after 4 minutes without use.

Test Procedure

1 Open the Drawer



- Press the RUN button on the analyzer.
- The cassette drawer will open, and the screen will display:

*Load cassette
and press **RUN***

2 Perform a Fingerstick



- After cleaning the selected site with alcohol and drying it thoroughly, firmly prick the site with a lancet.
- Gently squeeze the finger to obtain a large drop of blood. Wipe off the first large drop of blood.

3 Collect the Sample



- Squeeze the finger gently again until a large drop of blood forms.
- Hold the capillary tube horizontally by the end with the plunger. Touch it to the drop of blood without touching the skin.
- Fill the capillary tube within 10 seconds.
- Do not allow any bubbles to enter the capillary tube.

4 Dispense the Sample



- Place the end of the capillary tube into the sample well and dispense the sample by pushing down on the plunger.
- Keep the cassette level after the sample has been applied.

5 Insert the Cassette



- Immediately place the cassette into the analyzer drawer with the black reaction bar toward the analyzer and the brown magnetic stripe on the right.

6 Begin the Test



- Press RUN. The drawer will close.
- When the test is finished, the analyzer will beep and the drawer will open.
- Put everything that touched the blood sample into a biohazardous waste container

7 View the Results



- Press the DATA button on the analyzer once or twice (depending on the test cassette) to view remaining results.

8 Print the Results



- The results will print when the test is finished.

Quality control

- Controls should be tested:
- New lot
- New Shipment
- If reagent storage or handling was compromised and performance may have degraded

Instrument storage & tips

- Stored at room temperature 20-31°C (68-87°F)
- Stable work surface
- No direct heat (room heater)
- No bright light (sunlight or spotlight)
- Run the Cholestech LDX Optics Check Cassette:
 - Once each day before patient samples are tested.
 - After the Cholestech LDX System has been moved.

Cassette storage

- 2-8°C (36-42°F) storage
- Remove from refrigeration at least 10 minutes prior to testing. Cassettes must be at room temperature prior to testing.
- The cassettes are stable until expiration printed on cassette pouch and box.
- The cassettes can be stored at room temperature for 30 days.
- Do not use the cassettes past the expiration date.
- Do not return the cassettes to the refrigeration once they have been stored at room temperature.

references

<https://stat-technologies.com/wp-content/uploads/2018/12/Alere-Cholestech-LDX-System-Quick-Reference-Guide.pdf> Quick reference guide

<https://stat-technologies.com/wp-content/uploads/2018/12/Alere-Cholestech-LDX-System-User-Manual.pdf> User Manual