

Cholestech
GDX™

Quick Reference Guide

A1C TEST PROCEDURE



Optics Check Cartridge Procedure

- 1 Plug in the Analyzer and allow to warm up.



- 2 Insert the Optics Check Cartridge when the Insert Cartridge icon  flashes. "C 0" is displayed briefly and the Hourglass icon  appears.



- 3 The Rotate Cartridge icon  is displayed, the Analyzer beeps, and a red light flashes at Position 1. Turn the Optics Check Cartridge to Position 1. "C 1" is displayed briefly and the Hourglass icon  appears.



- 4 The Rotate Cartridge icon  is displayed, the Analyzer beeps, and a red light flashes at Position 2. Turn the Optics Check Cartridge to Position 2. "C 2" is displayed briefly and the Hourglass icon  appears.



- 5 The Rotate Cartridge icon  is displayed, the Analyzer beeps, and a red light flashes at Position 3. Turn the Optics Check Cartridge to Position 3. "C 3" is displayed briefly and the Hourglass icon  appears.



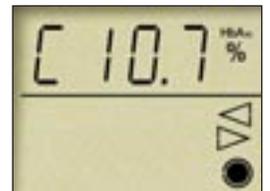
- 6 The Rotate Cartridge icon  is displayed. Turn the Optics Check Cartridge to Position 0.



- 7 The Remove Cartridge icon  appears. Remove the cartridge.



- 8 The Analyzer displays the result. Press the enter button  to clear.



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Analyzer Display

	Cartridge	This icon will be used with “up” and “down” arrow icons to prompt the user to insert or remove a cartridge from the Analyzer.
	Hourglass	This indicates that the operator must wait for an action to be performed before proceeding. If a number is displayed, it is a countdown timer.
	Rotate Cartridge	A single icon prompts the user to rotate the cartridge. This will be used in conjunction with flashing lights placed around the edge of the cartridge to indicate the position to rotate to.
	Error Message	The number displayed is an error message.
	Pour Solution	A single icon to prompt the user to pour the solution into the A1C Test Cartridge funnel.
	Insert/Remove/Mix	These two icons will be used in combination with either the Cartridge icon or the Solution Tube icon to prompt the user to perform an operation.
	Keypad	The keypad icons comprise “left” and “right” arrows and “enter” button. They perform a function when they are solid (as shown). When they are present in outline only, they are not active, and pressing them will not produce a response from the Analyzer.
	Result	The number displayed is the percentage of hemoglobin A _{1c} (A1C) in the test sample.
	Blood Drop	This icon will be used to prompt the user to take a blood sample.
	Identification Number	The number displayed is the unique test identification code.
	Solution Tube	This icon will be used along with the “up” and “down” arrows to prompt the user either to remove a tube or mix a blood sample in the tube.
	Computer Connection	A single icon to indicate a link-up with an external device such as a printer or computer, shown during download.

Error Codes

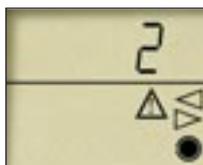
If the Analyzer displays an error code while you are running a test, the test must be stopped.

Record the error code, then continue to turn the cartridge in a clockwise direction until the cartridge is back to its original position at the start of the test. The cartridge can then be removed. Press the round enter button  and insert a new test cartridge.

A list of error codes can be found in the *Cholestech GDX Analyzer User Manual*.

PLEASE NOTE: For more detailed instructions, always refer to the package insert and user manual.

The picture below shows the Analyzer displaying the error code 2.



A1C Test Procedure

GETTING STARTED

- 1 Plug in the Analyzer and leave to warm up.



- 2 Insert the test cartridge when you see . Immediately push down the cartridge until you hear it “click” into place.



You will see the Hourglass icon  followed by the Rotate Cartridge icon .

POSITION 1

- 1 When the red light flashes, rotate to Position 1.



- 2 Remove the red-capped tube and unscrew the cap.



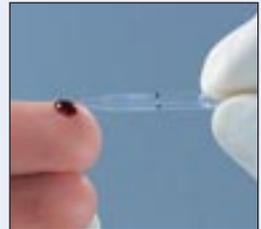
- 3 Place the cap on a nearby flat surface and put the opened tube back into the cartridge.



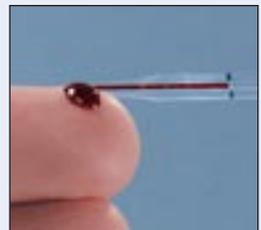
- 4 Obtain a drop of blood as for a blood glucose test. Form a good blood drop. Do not allow blood to smear down finger.



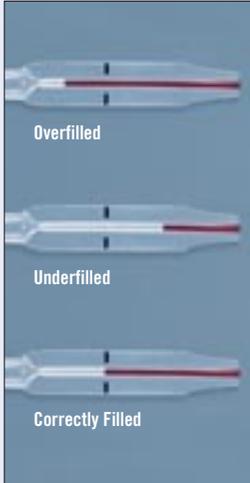
Use the pipette provided to collect the blood sample. **DO NOT SQUEEZE THE BULB.** Hold the pipette horizontally and touch the edge of the blood drop.



The blood will flow along the tube until it covers the air hole. The black line is only a guide to the position of the air hole.



The diagram below shows an overfilled, an underfilled and a correctly filled pipette.



5 Remove the opened tube from the test cartridge.



6 Place the tip of the pipette into the tube just below the surface of the liquid.



7 Squeeze the bulb until all of the blood is expelled and carefully withdraw the pipette. If the blood does not come out of the pipette, release the pipette bulb and squeeze again. Always ensure that no liquid or blood remains in the pipette before throwing it away.



8 Replace cap and invert tube 5 times.



9 Put the tube back into the cartridge.



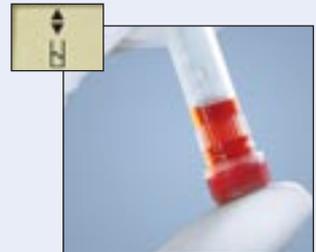
10 Press enter .

 60-second countdown.

At the end of the countdown, the Analyzer will beep.



11 Invert tube 3 times.



12 Remove cap and pour the solution into the funnel. **NO BUTTON PRESS IS NECESSARY.**  50-second countdown.



POSITION 2

At the end of the countdown, the Analyzer will beep and a red light will flash at Position 2.

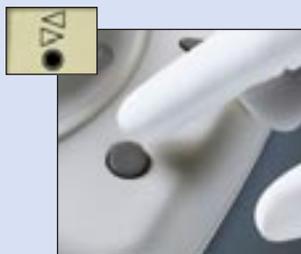
- 1 Rotate to Position 2.
The blue-capped tube will rise from the cartridge.



- 2 Remove cap and pour the solution into the funnel.



- 3 Press enter .
 40-second countdown.



POSITION 3

At the end of the countdown, the Analyzer will beep and a red light will flash at Position 3.

- 1 Rotate to Position 3.
The clear-capped tube will rise from the cartridge.



- 2 Remove cap and pour the solution into the funnel. **NO BUTTON PRESS IS NECESSARY.**



The Analyzer automatically senses the liquid and the intermittent beep continues for up to 20 seconds while the instrument takes a reading.
 80-second countdown.

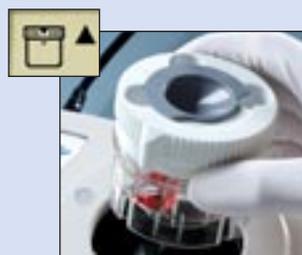
At the end of the countdown, the Hourglass icon  appears.

POSITION 0

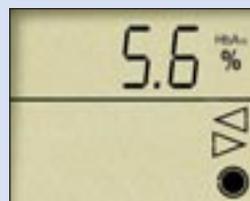
- 1 When the Analyzer beeps, rotate to Position 0.



- 2 Remove the cartridge.



- 3 Record results.



- 4 Press enter  to clear the display.

