

UC Riverside, School of Medicine Policies and Procedures**Policy Title:** Glucometer Quality Control Testing**Policy Number:** 950-03-003

Responsible Officer:	CEO, UCR Health
Responsible Office:	UCR Health Clinics
Origination Date:	2/17/2016
Date of Revision:	2/2023
Scope:	All UCR Clinics

I. Policy Summary

The purpose of this policy is to set forth the requirements to ensure the proper functioning of the glucometer through daily quality control tests.

II. Definitions

N/A

III. Policy Text

A. The glucometer will be tested daily, on the days the clinics are open. with test results documented on the Glucometer Quality Control Record. In addition, glucometer should be tested:

1. Before using the system for the first time,
2. When opening a new vial of strips,
3. If results seem unusually high or low based on the patient's condition,
4. If strip vial has been left open or exposed to extreme heat, cold or humidity
5. Whenever a check on the performance of the system is needed, or
6. If meter damage is suspected (meter dropped, crushed, wet, etc.).

IV. Responsibilities

Designated clinic personnel as assigned by the Clinic Practice Manager.

V. Procedures**A. All Glucometer.**

Follow manufacturer instruction on glucometer care and use.

B. Control Testing

Test Strips

1. Check and record lot number and expiration date on the Glucometer Quality Control Log(discard if expired)
2. Insert strip into test port.

C. Control Solutions

1. Check and record lot number and expiration date of each solution (control level 1 and 2)
2. Shake solution gently and squeeze a drop onto a piece of unused foil or plastic wrap
3. Touch edge of Test Strip tip to control solution.

D. Results

1. Compare results displayed on the meter to the safe range printed on the test strip vial label.
2. Document safe range and actual result on the Glucometer Quality Control Record.
3. If not in range, test again and if still out of range do not use meter for testing blood, remove meter from service and notify supervisor.
4. If results are in range the meter can be used for testing blood.

VI. Forms/Instructions

Glucometer Quality Control Record
TRUEtest® Blood Glucose Testing Competency

VII. Revision History

New 2/2016
Reviewed 3/2021
Revised 2/2023

Approvals:

COMPLIANCE COMMITTEE (03/14/2023)

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Attachment A



Glucometer Quality Control Record Month /Year _____

Glucometer Serial Number: _____ (7-digit number on Meter label below the bar code)

Date	Test Strips			Glucose Control Level 1					Glucose Control Level 2					Initials	Comments, use back of page PRN
	LOT	EXP	Date Opened	LOT	EXP	Date Opened	Safe Range	Result	LOT	EXP	Date Opened	Safe Range	Result		
1															
2															
3															
4															
5															
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Date of Validation:			
Name of Employee:		Evaluator:	
Skills Validation: TRUEtest Blood Glucose Testing			
Purpose of test: To screen for hyperglycemia. To test whole blood glucose (sugar) level. Having most blood glucose results within your target range shows how well a treatment plan is working to control glucose levels. Keeping results within your target range helps slow complications from diabetes			
Procedure	Demonstrated Ability	Needs Review	Evaluator Initials
Log patient information, date of test and lot information of test and expiration date.			
Proper Testing Procedure:			
Have patient wash hands with warm, soapy water. Dry thoroughly.			
Remove test strip from vial and insert into test port with contact end (TRUEtest name facing up).			
The meter turns on			
Place end of Lancing Device against tip of finger. Lance finger. Allow a blood drop to form, touch tip of test strip to top of blood drop and allow blood to be drawn into test strip. Remove test strip tip from blood drop after meter beeps and dashes appear across meter display.			
In as little as 4 seconds, glucose result will be displayed.			
Record results			
Hold the meter in a vertical position with the test strip pointing down. Press the test strip release button to discard the used test strip.			
Quality Control Testing:			
An automatic self- test is performed by the meter each time a TRUEtest Test Strip is inserted into test port. Meter is working properly if the full display appears, then the time appears in the upper part of the display and the Drop symbol begins to blink. If an error message appears in the display, the meter will not perform.			
Control Test should be performed: For practice to ensure testing technique is good. When opening a new vial of strips. If a vial has been left opened or exposed to extreme heat, cold or humidity.			
Check dates on Control Test and Strip vial label. Discard if dates have expired.			
Swirl or invert bottle gently to mix Control Do Not Shake!			
Remove one strip from vial. Close Strip vial bottle.			
Insert strip into Test Port. The meter turns on.			

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Procedure	Demonstrated Ability	Needs Review	Evaluator Initials
Turn Control bottle upside down. Squeeze a control drop onto a small piece of unused aluminum foil or clear plastic wrap.			
Touch edge of Sample Tip to drop of control. Allow drop to be drawn into Strip. Remove Strip from drop when Meter beeps.			
Dashes appear across the Display to show Meter is testing.			
Compare results to Control Range printed on Strip vial label.			
If result is in range, System can be used for testing blood.			
Log in results of Quality Control Testing.			