

GlucCell™ Glucose Monitoring System Quick Reference Card

Intended Use

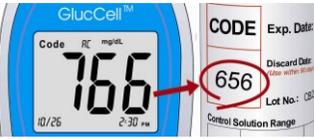
The GlucCell™ Glucose Monitoring System is intended for laboratory researchers or bioreactor professionals to obtain a quantitative measurement of glucose in cell culture medium from 30 to 500 mg/dL. The glucose test strips are pre-calibrated and single-use only.

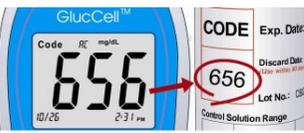
Please read the following checklist before usage

- ✓ Check the glucose test strip condition and expiry date.
- ✓ Check if the glucose meter has been coded. **Note: Remember to code the meter before using a new lot of test strips.**
- ✓ Use each test strip immediately after removing it from the bottle. Recap the bottle immediately after taking out the strip.
- ✓ Do not refrigerate the test strips
- ✓ Keep the bottle out of direct sunlight.
- ✓ Dispose the test strips properly according to the local regulations.

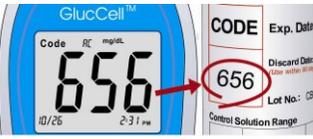
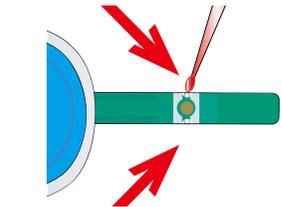
Perform A Test

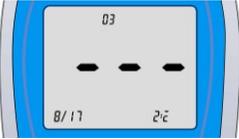
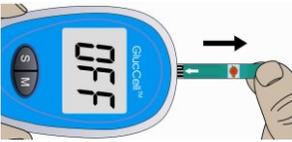
I. Coding Your Meter (required only for new lot of purchasing test strips)

	<p>Insert the test strip into the strip slot, the meter will activate. The last code number will appear on the screen.</p>
	<p>Compare the code number shown on the meter display against the code number on the test strip vial. If the two numbers match, you may begin testing. Otherwise continue to the next step.</p>
	<p>Press S button until the buzzer sound is heard and the code value flashes. Press S or M button to obtain the code number indicated on the new test strip vial.</p>

	<p>Upon obtaining the right code number, wait the new setting to flash 3 times to validate the change. The new code number is displayed on the screen.</p>
	<p>After screen shows the proper code and a blinking drop symbol shows up, your meter is ready to perform a test.</p>

II. Performing a Glucose Test

	<p>Insert test strip into strip slot as illustrated. The meter turns on automatically. The last code number will appear on the screen.</p>
	<p>Check that the code number in the meter matches the code on the vial. If the two numbers match you may begin testing. Otherwise refer to above section to code your meter first.</p>
	<p>When the drop symbol flashes, you are ready to perform a test.</p>
	<p>Use a pipette tip to withdraw around 1.5 uL culture medium sample.</p>
	<p>Carefully depress to form a 1.5uL droplet on the pipette tip. Bring the droplet underneath the right or left aperture of the testing strip and inject gently to the strip. Please allow the sample to be absorbed naturally to fill up the confirmation window. Make sure that the sample has saturated the test confirmation window. Never push test sample over the aperture and cause overloading of the sample.</p>

	When sample is applied to the strip, a line moves on the screen until measurement is completed.
	Test result will show up in 15 seconds.
	After completing the test, remove the test strip from the meter and discard the used strip properly.
	The accurate testing range of the meter is from 30 to 500 mg/dL (1.67 to 27.78 mmol/L). If HI is displayed, your cell culture glucose result may be higher than 33.3 mmol/L or 600 mg/dL. If LO is displayed, your cell culture glucose result may be lower than 1.1 mmol/L or 20 mg/dL. When the measurement is higher than 500 mg/dL, please dilute the sample to a proper measurement range. If the measurement between 20~30mg/dL, the deviation must be larger than $\pm 15\%$.

Specifications of GlucCell™ Glucose Meter

1. Assay Method	Electrochemical biosensor
2. Test Sample	Cell Culture Medium or equivalent solution
3. Test Result	glucose concentration (mg/dL or mmol/L)
4. Sample Size	1.5 μ L (0.0015 cc)
5. Measuring Range	20~600 mg/dL (1.1~33.3 mmol/L)

6. Accurate Measuring Range	30~500 mg/dL (1.67~27.78 mmol/L)
7. Measuring Time	Less than 15 seconds
8. Memory Capacity	Last 180 test results
9. Battery Type	CR2032 3V-Lithium battery
10. Battery Life	Approximately 1000 tests
11. Operating Temperature Range	10°C~40°C (50°F~104°F)
12. Operating Relative Humidity	20%~80%RH
13. Dimensions of the meter	96 mm x 60 mm x 18.5 mm
14. Weight of the meter	70 g including battery
15. Auto Shut-off	In 3 minutes

Content of GlucCell™ Glucose Monitoring System

Item	Description
1. GlucCell™ Glucose Meter	1 set
2. GlucCell™ Glucose Test Strip	1 box, 2 bottles/box, 25 strips/bottle
3. Quick Reference Card	1 copy
4. CD Manual	1 copy
5. Case	1 ea

Note: Check key and code key are no longer significant in the GlucCell® system. Should it be included in your package, kindly discard accordingly.

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