

GlucCell[®] Glucose Monitoring System

GlucCell[®] Glucose Monitoring System speeds and simplifies your glucose measurement during cell culture. GlucCell[®] Glucose Monitoring System is specially designed for measuring the glucose metabolites during animal cell culture, unlike general diabetes glucose meter on the market that are not applicable an animal cell culture. GlucCell[®] System includes a portable, palm size glucose meter and pre-calibrated, disposable test strips, specially designed for measuring the glucose concentration during mammalian cell and insect cell culture.

Principle:

GlucCell[®] Glucose Monitoring System is a merging of glucose biosensor technology with microprocessor-based instrumentation. The glucose test strip requires a sample volume of less than 3 μ l and has a testing time of less than 15 seconds. The glucose meter is a compact hand-held device with a large and easy-to-read display. The meter can store 180 test results with corresponding times and dates.

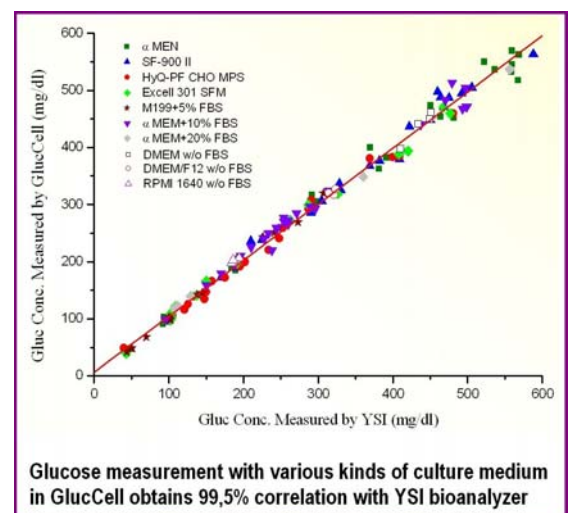
GlucCell[®] Features

- Suitable for both serum and serum-free culture medium in mammalian and insect cell culture
- capable to store up to 180 test results
- portable, light-weighted and palm sized kit
- pre-calibrated, ready-to-use, plug & play, and disposable
- Precision: >95 %, Accuracy >90 %, Linearity = 0,9997
- 99,5 % Correlated with NOVA and YSI biochemical analyzer
- A drop of 3 μ l turns out an instant result in just 15 sec
- No need to separate cells from culture medium before testing





GlucCell[™] Specification

Dimension	96 mm x 60 mm x 18,5 mm
Weight	70 g including battery
Power source	CR2032 3V Lithium coin battery X 1
Battery life	Approximately 1000 tests
Display	Large LCD
Memory	Store 180 test results with date and time
Automation	Auto electrode inserting detection Auto sample loading detection Auto reaction time countdown / Auto turn-off
Environment	10 - 40 °C, 20% - 80% relative humidity
Strip Size	45 mm x 6 mm x 0,6 mm
Require sample	3 - 10 μ l
Measure range	30 - 550 mg/dL (1,6 – 30,6 mmol/L)
Test result time	Less than 15 seconds












Perform a Glucose Test

I. Code the glucose meter (required only for new lot of purchasing test strips)

	a	A code key is provided in each test strip box. To recode the meter, insert the code key into the strip slot firmly in "off" mode.
	b	After inserting the code key, a code number appears onto the screen. Ensure the number matches with that on the code key. Remove the code key, glucose test is ready to be proceeded.

II. Perform a Glucose Test

	1	Sample chamber side up, insert the test strip into the strip slot, the meter will then turn on automatically.
	2	Ensure the code number displays onto the screen matches the code number on the strip bottle that is using.
	3	The meter is ready for testing when the flashing "☀" symbol appears.
	4	Pipet around 10 µl of culture medium and produce a small droplet in the tip of pipette.
	5	Touch the droplet to the sample chamber on either side of the test strip until the chamber is fully filled with the test sample. The meter beeps indicating that the test has been initiated. Note: never force the sample into the sample chamber but allow the sample be absorbed naturally into the chamber.
	6	The "- -" symbol appears and flashes when the test is in progressing.
	7	Test result displays within 15 seconds, and pauses for 3 minutes or until the test strip is pulled out.
	8	Record the test result in your log sheet.
	9	Remove the strip to turn off the meter. The test result has been stored.

Order information:

Cat. No.	Description	Case Qty.
DG1000	GlucCell Glucose Monitoring Kit, incl. check key and Glucose Test Strips (Box/2 x 25, incl. code key)	1
DGA050	Glucose Test Strips (incl. code key): calibration-free, single use, accuracy 100 +/- 15 %, precision < 10 % (Box/2 x 25)	1