

AGILENT SEAHORSE XF GLYCOLYSIS STRESS TEST KIT

Measure Glycolytic Response in Live Cells

Measuring Glycolysis Under Energy Stress

Most cells can use both glycolysis and mitochondrial function (OXPHOS) to meet bioenergetic (ATP) demands. The XF Glycolysis Stress Test examines the ability of cells to respond to challenging conditions by increasing the rate of glycolytic activity. This assay provides a readout of glycolytic function under multiple conditions in each well, providing much richer data in each well compared to endpoint assays such as glucose uptake or lactate efflux. The Agilent Seahorse XF Glycolysis Stress Test Kit is an easy-to-use kit that enables the measurement of three key parameters of glycolytic flux: glucose-induced glycolysis, glycolytic capacity, and glycolytic reserve. Only Seahorse XF Technology can provide each of these rate parameters in each and every sample well, using a single assay.

Easy to Use, Reproducible Data, Valuable Results

Combining quality controlled reagents with real time, label-free measurements, the Seahorse XF Glycolysis Stress Test reveals cells' ability to modulate glycolysis to meet a series of energy stresses in each well. When used with the Seahorse XF Stress Test Report Generator, which automatically calculates the parameters of the Seahorse XF Glycolysis Stress Test in a few simple steps, the result is interpretable and actionable data on your cellular model.



Agilent Seahorse XF Glycolysis Stress Test Kit

- Single-use packaging for consistency and stability
- Suspend reagents in media, no DMSO
- No need to adjust reagent pH

For more information, visit:
www.agilent.com

Agilent Seahorse XF Glycolysis Stress Test Profile

- **Glycolysis:** Rate of glycolytic process after glucose starvation
- **Glycolytic capacity:** Cellular glycolytic response to energetic demand from stress
- **Glycolytic reserve:** Capacity available to utilize glycolysis beyond the basal rate

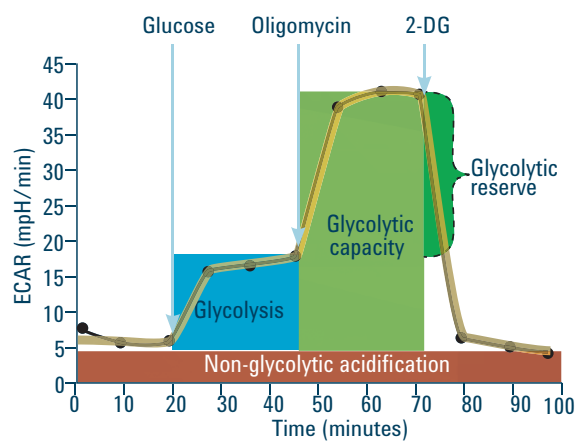


Figure 1. Agilent Seahorse XF Glycolysis Stress Test Profile.

Product Information

Component	Description
Product name	Agilent Seahorse XF Glycolysis Stress Test Kit
Kit contents	Six single-use reagent pouches each containing oligomycin, six vials of glucose, six vials of 2-deoxy-glucose
Number of assays	Six plates
Shipping conditions	Ships at ambient temperature
Storage requirements	Store at room temperature
Kit part number	For platform(s)
103020-100	All 24- and 96-well XF analyzers
103017-100	For XFp analyzer



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