Glycogen Assay

A plate based colorimetric/fluorometric assay to quantify the amount of glycogen present in samples.

Glycogen, the main form of glucose storage in animals is synthesized and stored primarily in liver and muscle. Glycogen is formed on a core of glycogenin which links the first few molecules of glucose after which other enzymes continue adding glucose monomers to the growing polymer with α-1,4 linkages extending linear chains, and α-1,6 linkages giving a branched structure. A number of disease states are related to the inability to store or utilize stored glycogen properly. AkrivisBio's Glycogen Assay is a simple sensitive method to measure glycogen levels in biological samples. In the assay, glycogen is hydrolyzed, and the glucose formed is oxidized with the formation of H_2O_2 which is utilized by peroxidase to oxidize ADHP resulting in the formation of intense color (λmax 570 nm) and fluorescence (Excitation/Emission = 535/587 nm). The assay can determine glycogen content from the low nanogram to high microgram level.

Ordering Information

Order Online »

AKR-MA-0112	100 wells

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	Colorimetric detection
Species Reactivity	Species independent
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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