Glutathione Peroxidase Activity Assay

A plate based colorimetric assay to measure Glutathione peroxidase (GPx) activity in a variety of samples with a sensitivity below 0.2 mU per well.

Glutathione peroxidase (GPx) is an essential enzyme, involved in glutathione metabolism, that helps maintain redox balance and protects against oxidative stress. GPx catalyzes the reduction of H2O2 and organic hydroperoxides, using glutathione as a co-substrate preventing accumulation of harmful reactive oxygen species within cells, which cause damage to proteins, lipids, and DNA. GPx is widely distributed throughout the body, particularly abundant in organs with high metabolic activity, (liver, kidney, lung, and red blood cells). Expression levels are modulated in response to environmental factors, including dietary selenium and oxidative stress levels. GPx deficiency is associated with pathological conditions, including neurodegenerative disease, cardiovascular disorders, cancer, and age-related macular degeneration. AkrivisBio's Glutathione Peroxidase Activity Assay is a simple, sensitive means of assessing GPx activity in a variety of samples with a sensitivity below 0.2 mU per well.

Ordering Information

Order Online »

AKR-MA-0137	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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