Protein Carbonyl Assay

A plate based colorimetric assay to measure protein carbonyls in a variety of samples with a sensitivity well below 1 nmole.

Oxidative stress due to an imbalance between ROS production and antioxidant defense leads to cellular damage including the oxidation of amino acid side chains, resulting in protein carbonyls. Protein carbonylation disrupts the function and structure of proteins involved in various metabolic pathways. Protein carbonylation triggers immune responses, leading to chronic inflammation affecting things like insulin sensitivity and lipid metabolism. Elevated levels of protein carbonyls are associated with age-related diseases like neurodegenerative disorders, cardiovascular disease, and diabetes. AkrivisBio's Protein Carbonyl Assay is a simple sensitive means of determining protein carbonyls in a variety of samples with a sensitivity well below 1 nmole.

Ordering Information

Order Online »

AKR-MA-0150	100 wells

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage	+4°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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