Hydrogen Peroxide Assay

A plate based colorimetric/fluorometric assay to measure hydrogen peroxide in a wide range of samples.

Hydrogen peroxide is important in cellular metabolism due to its role as a reactive oxygen species. Although considered a harmful byproduct of metabolism, low levels of H2O2 are essential for some physiological processes. H2O2 acts as a signaling molecule, participating in signaling pathways that regulate responses to stress, growth, and immune functions. H2O2is produced during aerobic respiration as a byproduct of cellular energy production. Mitochondria are a major source of H2O2 production. The controlled generation of H2O2 serves as an intermediary in cellular signaling, assisting in the activation of various enzymes involved in key metabolic pathways. H2O2 plays a role in the immune response, acting as a defense mechanism against invading pathogens. Immune cells use hydrogen peroxide to neutralize bacteria and viruses, highlighting its role in combating infections. AkrivisBio's Hydrogen Peroxide Assay is a simple, sensitive means of measuring peroxide in a variety of samples. It can be used in either absorbance or fluorescence-based measurements.

Ordering Information

Order Online »

AKR-MA-0145	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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