Hydrogen peroxide colorimetric detection kit

The Hydrogen Peroxide colorimetric detection kit provides a fast and higher throughput 96-well plate based homogeneous assay for the measurement of hydrogen peroxide in a wide variety of samples.

Hydrogen Peroxide (H_2O_2) is a reactive oxygen metabolic by-product that serves as a key regulator for a number of oxidative stress related states. Functioning through NFκB and other factors, Hydrogen peroxide-mediated pathways have been linked to asthma, inflammatory arthritis, atherosclerosis, diabetic vasculopathy, osteoporosis, and a number of neurodegenerative diseases.

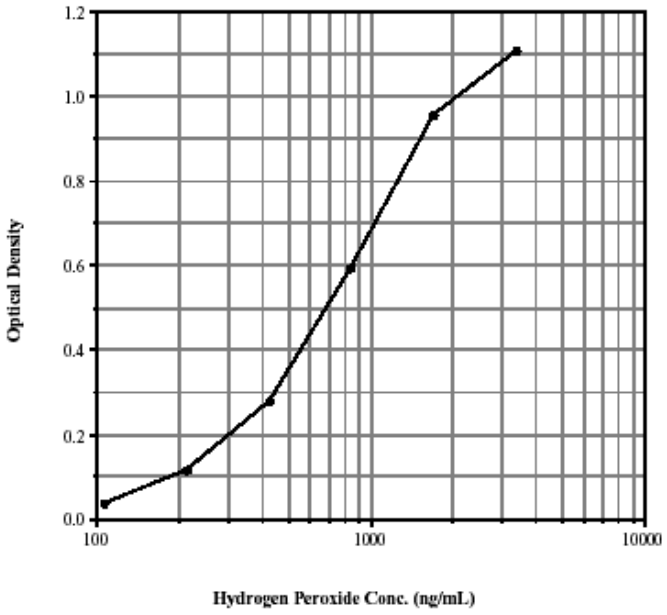
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ADI-907-015	96 wells

Manuals, SDS & CofA View Online »

- Fast results in just 30 minutes
- Sensitive to 1.51µM


1.2
1.0
0.8
0.6
0.4
0.2
0.0
Optical Density
100
1000
10000
Hydrogen Peroxide Conc. (ng/mL)

Handling & Storage

Use/Stability	Store all components at 4°C, except Color Reagent at -20°C.
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	Colorimetric detection, HTS
Application Notes	For the quantitative determination of hydrogen peroxide in culture supernatants, serum, plasma, and urine from any species. Cited sample type includes tissue (ref. 1).
Contents	Half-Area Microtiter plate, Standard, Color reagent
Sensitivity	51.25 ng/ml (range 106.25 – 3,400 ng/ml)
Species Reactivity	Species independent

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