Hydrogen peroxide fluorometric detection kit

The Hydrogen Peroxide fluorometric detection kit provides fast results in just 10 minutes for the measurement of either hydrogen peroxide or peroxidase activity in a convenient one-step homogeneous assay.

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.

Citations: 2 View Online »

Ordering Information

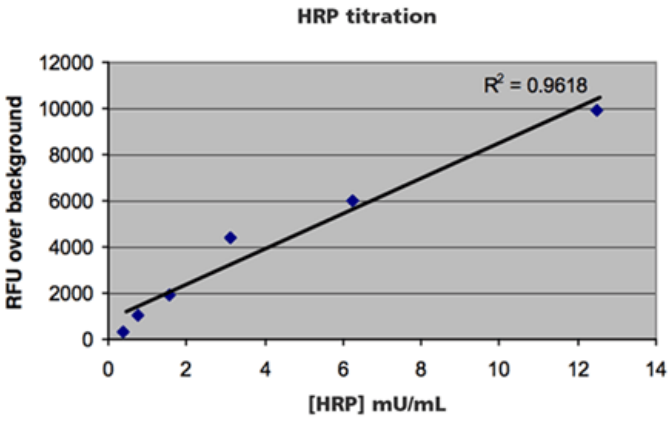
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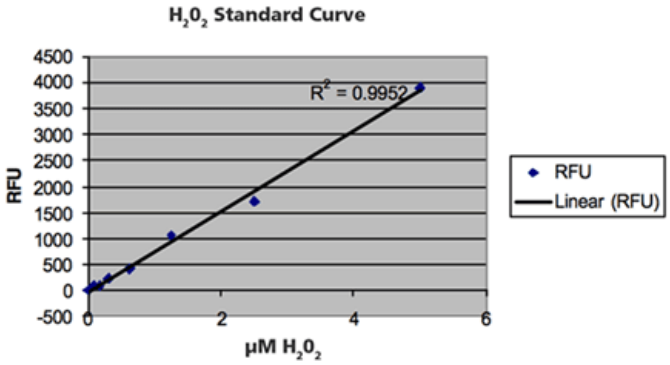
ADI-907-028	500 tests

Manuals, SDS & CofA

View Online »

- Flexible - measure hydrogen peroxide or peroxidase activity
- Higher throughput - one step homogeneous mix-and-read assay
- Fast - results in just 10 minutes


HRP titration
RFU over background
12000
10000
8000
6000
4000
2000
0
0
2
4
6
8
10
12
14
[HRP] mU/mL
R2 = 0.9618


H202 Standard Curve
RFU
4500
4000
3500
3000
2500
2000
1500
1000
500
0
-500
0
2
4
6
µM H202
R2 = 0.9952
RFU
Linear (RFU)

Handling & Storage

Long Term Storage	+4°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	Fluorescent detection, HTS
Application Notes	For the measurement of hydrogen peroxide in cell lysates and culture supernatants from any species.
Contents	Reaction buffer concentrate, Detection Reagent, Hydrogen peroxide, Horseradish peroxidase
Sensitivity	(range 0 – 10 µM (H2O2); 0 – 25 mU/ml (peroxidase)
Species Reactivity	Species independent

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