Hydrogen peroxide chemiluminescent detection kit

The Hydrogen Peroxide chemiluminescent detection kit provides a fast and higher throughput 96-well plate based homogeneous assay for the measurement of hydrogen peroxide. This kit offers more sensitivity over the Hydrogen Peroxide colorimetric detection kit (Cat. #ADI-907-015) but is not recommended for samples that contain phenol red or hemoglobin.

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.

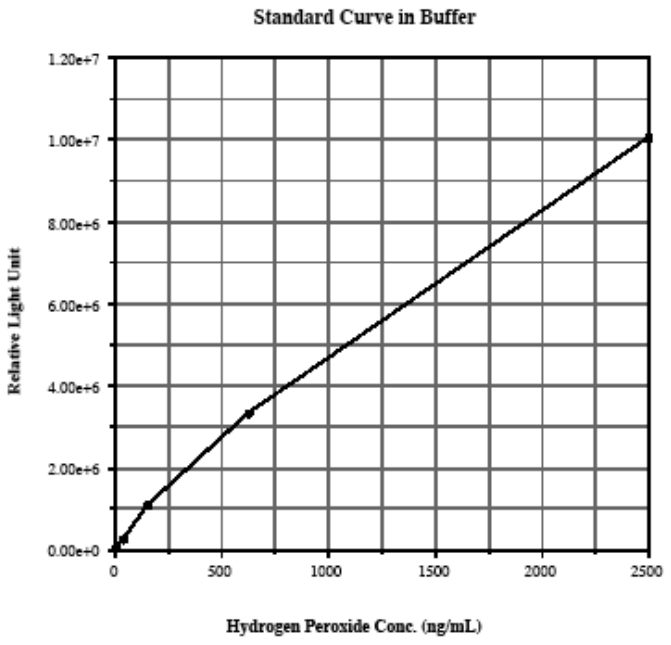
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ADI-907-012	96 wells

Manuals, SDS & CofA View Online »

- Immediate results in < 10 minutes
- Extremely sensitive quantitation of hydrogen peroxide


Standard Curve in Buffer
1.20e+7
1.00e+7
8.00e+6
6.00e+6
4.00e+6
2.00e+6
0.00e+0
Relative Light Unit
0
500
1000
1500
2000
2500
Hydrogen Peroxide Conc. (ng/mL)

Handling & Storage

Long Term Storage	+4°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	Chemiluminescence
Application Notes	For the quantitative determination of hydrogen peroxide in culture supernatants from any species.
Contents	White Microtiter plate, Standard, Substrate, Trigger solution
Sensitivity	2.39 ng/ml (range 2.44 – 2,500 ng/ml)
Species Reactivity	Species independent

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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