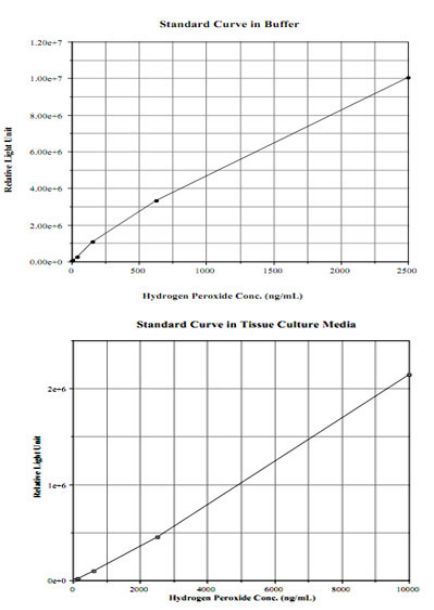
Hydrogen Peroxide Chemiluminescent Detection Kit

Catalog # KA1016 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Suitable Sample	Buffers, Tissue Culture Media.
Product Description	Hydrogen Peroxide Chemiluminescent Detection Kit is a higher throughput assay for the quantitative measurement of hydrogen peroxide in tissue culture media and buffers.
Sample Volume	50 uL
Detection Method	Chemiluminescence
Assay Type	Quantitative
Calibration Range	Buffer: 2.44 to 2500 ng/mL Tissue culture media: 39.06 to 10000 ng/mL
Limit of Detection	Buffer: 2.39 ng/mL Tissue culture media: 11.91 ng/mL
Regulation Status	For research use only (RUO)

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Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Publication Reference

- Adaptive concentrations of hydrogen peroxide suppress cell death by blocking the activation of SAPK/JNK pathway.

  Kim DK, Cho ES, Seong JK, Um HD.

  Journal of Cell Science 2001 Dec; 114(Pt 23):4329.

- Elevated concentrations of exhaled hydrogen peroxide in asthmatic patients.

  Emelyanov A, Fedoseev G, Abulimity A, Rudinski K, Fedoulov A, Karabanov A, Barnes PJ.

  Chest 2001 Oct; 120(4):1136.

  Application: Func, Quant, Human, Expired breath condensate

- Hydrogen peroxide activates NFkappaB and the interleukin-6 promoter through NFkappaB-inducing kinase.

  Zhang J, Johnston G, Stebler B, Keller ET.

  Antioxidants & Redox Signaling 2001 Jun; 3(3):493.

  Application: Func, Human, LNCaP, HeLa cells

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