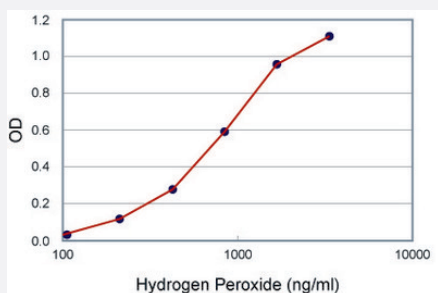


# Hydrogen Peroxide Colorimetric Detection Kit

Catalog # KA1017      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

<b>Product Description</b>	Hydrogen Peroxide Colorimetric Detection Kit is a higher throughput assay for the quantitative measurement of hydrogen peroxide in culture supernatants, serum, plasma, and urine from any species.
<b>Suitable Sample</b>	Plasma, Serum, Tissue Culture Medium, Urine
<b>Sample Volume</b>	50 $\mu$ L
<b>Detection Method</b>	Colorimetric
<b>Assay Type</b>	Quantitative
<b>Calibration Range</b>	106.25 to 3400 ng/mL
<b>Limit of Detection</b>	51.25 ng/mL
<b>Regulation Status</b>	For research use only (RUO)
<b>Quality Control Testing</b>	Standard curve 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.
<b>Storage Instruction</b>	Store color reagent at -20°C. Store all other components at 4°C. Avoid repeated freezing and thawing.

## Applications

- Quantification

## Publication Reference

- [Anti-TGF- \$\beta\$  attenuates tumor growth via polarization of tumor associated neutrophils towards an anti-tumor phenotype in colorectal cancer.](#)

Qin F, Liu X, Chen J, Huang S, Wei W, Zou Y, Liu X, Deng K, Mo S, Chen J, Chen X, Huang Y, Liang W.

Journal of Cancer 2020 Feb; 11(9):2580.

Application: Quant, Human, Human neutrophils

- [Tumor-associated neutrophils \(TAN\) develop pro-tumorigenic properties during tumor progression.](#)

Mishalian I, Bayuh R, Levy L, Zolotarov L, Michaeli J, Fridlender ZG.

Cancer Immunology, Immunotherapy 2013 Nov; 62(11):1745.

Application: Quant, Mouse, AB12, LLC cells, Neutrophils

- [Expression of glutaredoxin in human coronary arteries: its potential role in antioxidant protection against atherosclerosis.](#)

Okuda M, Inoue N, Azumi H, Seno T, Sumi Y, Hirata Ki, Kawashima S, Hayashi Y, Itoh H, Yodoi J, Yokoyama M.

Arteriosclerosis, Thrombosis, and Vascular Biology 2001 Sep; 21(9):1483.

- [High glucose induces cell death of cultured human aortic smooth muscle cells through the formation of hydrogen peroxide.](#)

Peiro C, Lafuente N, Matesanz N, Cercas E, Llergo JL, Vallejo S, Rodriguez-Manas L, Sanchez-Ferrer CF.

British Journal of Pharmacology 2001 Aug; 133(7):967.

Application: Flow Cyt, Func, Human, Human aortic smooth muscle cells

- [Inflammatory properties of IgG modified by oxygen radicals and peroxynitrite.](#)

Uesugi M, Yoshida K, Jasin HE.

The Journal of Immunology 2000 Dec; 165(11):6532.

Application: Quant, Human, Synovial fluids