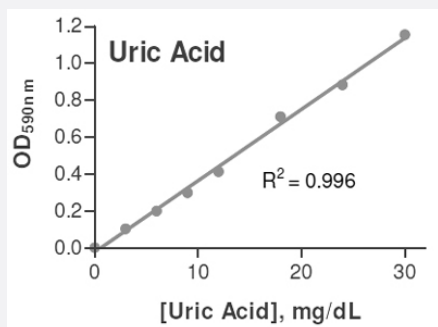


# Uric Acid Assay Kit

Catalog # KA1651      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>     | Uric Acid Assay Kit is a quantitative colorimetric uric acid determination at 590 nm.                                                                                                             |
| <b>Suitable Sample</b>         | Plasma, Serum, Urine and other biological samples.                                                                                                                                                |
| <b>Sample Volume</b>           | 5 uL (using 96-well plate)<br>20 uL (using cuvette)                                                                                                                                               |
| <b>Detection Method</b>        | Colorimetric                                                                                                                                                                                      |
| <b>Assay Type</b>              | Quantitative                                                                                                                                                                                      |
| <b>Calibration Range</b>       | 0.22 to 30 mg/dL (13 uM to 1785 uM)                                                                                                                                                               |
| <b>Regulation Status</b>       | For research use only (RUO)                                                                                                                                                                       |
| <b>Quality Control Testing</b> | Standard Curve<br>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 reagents at 4°C. Store standard and blank control at -20°C.                                                                                                                                 |

## Applications

- Functional Study

## Publication Reference

- [Increased atherosclerosis in a mouse model of glycogen storage disease type 1a.](#)

Anouk M La Rose, Anouk G Groenen, Benedek Halmos, Venetia Bazioti, Martijn G S Rutten, Kishore A Krishnamurthy, Mirjam H Koster, Niels J Kloosterhuis, Marieke Smit, Rick Havinga, Gilles Mithieux, Fabienne Rajas, Folkert Kuipers, Maaïke H Oosterveer, Marit Westerterp.

Molecular Genetics and Metabolism Reports 2022 Apr; 31:100872.

Application: Func, Mouse, Mouse plasma

- [Albumin Affibody-Outfitted Injectable Gel Enabling Extended Release of Urate Oxidase-Albumin Conjugates for Hyperuricemia Treatment.](#)

Jinhwan Cho, Seong Han Kim, Byungseop Yang, Jae Min Jung, Inchan Kwon, Doo Sung Lee.

Journal of Controlled Release : Official Journal of the Controlled Release Society 2020 May; 324:532.

Application: Quant, Mouse, Mouse serum

- [Bioengineered robust hybrid hydrogels enrich the stability and efficacy of biological drugs.](#)

Gil MS, Cho J, Thambi T, Giang Phan VH, Kwon I, Lee DS.

Amino Acids 2017 Dec; 267:119.

Application: Quant, Mouse, Mouse serum

- [Characterization of an Anti-gout Xanthine Oxidase Inhibitor from Pleurotus ostreatus.](#)

Jang IT, Hyun SH, Shin JW, Lee YH, Ji JH, Lee JS.

Mycobiology 2014 Sep; 42(3):296.

Application: Func, Rat, Serum

- [Proteomic profiling and functional characterization of early and late shoulder osteoarthritis.](#)

Wanner JP, Subbaiah R, Skomorovska-Prokvolit Y, Shishani Y, Boilard E, Mohan S, Gillespie R, Miyagi M, Gobeze R.

Arthritis Research & Therapy 2013 Nov; 15(6):R180.

Application: Func, Human, Synovial fluid

- [Reversal of the deleterious effects of chronic dietary HFCS-55 intake by PPAR- \$\delta\$  agonism correlates with impaired NLRP3 inflammasome activation.](#)

Collino M, Benetti E, Rogazzo M, Mastrocola R, Yaqoob MM, Aragno M, Thiemermann C, Fantozzi R.

Biochemical Pharmacology 2013 Jan; 85(2):257.

Application: Func, Mouse, Plasma