

Uric Acid Content Assay kit

UA is the main metabolite of birds and reptiles. The main product in normal human urine is urea with a small amount of uric acid. In addition, UA is also an important antioxidant, which can scavenge superoxide and hydroxyl radicals. The imbalance of UA production and excretion in the body can lead to the occurrence of many diseases. For example, an increase in blood UA can cause gout, renal damage and arteriosclerosis, while a decrease in UA can cause pernicious anemia, which is of great significance in clinical diagnosis.

Uricase can catalyze UA to produce allantoin, CO₂ and H₂O₂, H₂O₂ oxidizes Fe²⁺ in potassium ferrocyanide to produce Fe³⁺, and Fe³⁺ further condenses with phenol and 4-aminoantipyrine to form red quinone compounds. There is a characteristic absorption peak at 505nm, and the content of uric acid can be calculated by measuring the absorption value at 505nm of the reaction system.

Catalog No.	250136
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	UV Spectrophotometry
Storage/Stability	-20°C/1 year
Shipping	Gel Packs