CREATIVE BIOMART®
Assay Kit

Micro Uric Acid (UA) Content Assay Kit

Product Information

Product Overview

Significance of Measurement: Uric acid is the major metabolic product in birds and reptiles, while it is a minor component in human urine. UA also serves as an important antioxidant capable of scavenging superoxide and hydroxyl radicals. Abnormal UA levels are associated with gout, renal dysfunction, atherosclerosis, and hematological disorders.
Principle of Measurement: Uricase catalyzes UA to produce allantoin, CO₂, and H₂O₂. H₂O₂ oxidizes Fe²⁺ to Fe³⁺, which further reacts with phenol and 4-aminoantipyrine to form a red quinone compound with a characteristic absorption at 505 nm.

Size

100t/48s

Storage

Store at -20 °C. Shelf life: 6 months.

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

Constant-temperature water bath, visible spectrophotometer or microplate reader, quartz cuvettes or 96-well plates, and distilled water.

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