



## Uricase Activity Assay kit

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Uricase, also known as urate oxidase, is an oxidase involved in the purine degradation pathway, which can decompose uric acid into allantoinic acid and then excrete it from the body. Uric acid is the end product of purine metabolism. Excessive accumulation will lead to the occurrence of various diseases such as ventilation, kidney disease, and cardiovascular disease. It is of great significance in the clinical detection and treatment of the disease.

Uricase catalyzes the decomposition of uric acid into allantoin, CO<sub>2</sub> and H<sub>2</sub>O<sub>2</sub>. H<sub>2</sub>O<sub>2</sub> oxidizes Fe<sup>2+</sup> in potassium ferrocyanide to form Fe<sup>3+</sup>, which further interacts with 4-ammonia. Antipyrine reacts with phenol to form a red quinone compound, which has a characteristic absorption peak at 505 nm. Uric acid is reflected by measuring the absorbance at 505 nm.

Catalog No.	250443
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	Visible spectrophotometry
Storage/Stability	-20°C/1 year
Shipping	Gel Packs