CREATIVE BIOMART®
Assay Kit

Ferrous Ion Content Assay Kit

Product Information

Product Overview

Significance of Measurement: Iron is an essential trace element required for normal physiological function. Ferrous ions are critical components of hemoglobin, myoglobin, cytochromes, and various enzyme systems. Both iron deficiency and iron overload are associated with metabolic disorders and chronic diseases.
Principle of Measurement: Under acidic conditions, Fe²⁺ forms a blue complex with tripyridyl-s-triazine, which exhibits a characteristic absorption peak at 593 nm. Fe²⁺ content is calculated by measuring absorbance at this wavelength.

Size

100t/96s

Storage

Store at 2–8 °C. Shelf life: 1 year.

Detection method Spectrophotometer/Microplate Reader

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