CREATIVE BIOMART®
Assay Kit

Micro Hydroxyl Free Radical Scavenging Capacity Assay Kit

Product Information

Product Overview

Significance of Measurement: Hydroxyl radicals cause severe damage to proteins, nucleic acids, and lipids, leading to cellular dysfunction and metabolic disorders. Hydroxyl radical scavenging capacity is an important indicator of antioxidant activity in health products and pharmaceuticals. Principle of Measurement: Hydroxyl radicals generated via the Fenton reaction oxidize Fe²⁺ to Fe³⁺, resulting in decreased absorbance at 536 nm. The degree of inhibition of absorbance decrease reflects the hydroxyl radical scavenging ability of the sample.

Size

100t/96s

Storage

Store at 2–8 °C. Shelf life: 6 months.

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

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

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