

Hydroxyl Free Radical Scavenging Capacity Assay kit

Hydroxyl free radicals act on biological molecules such as proteins, nucleic acids, and lipids in the body, causing damage to cell structure and function, leading to metabolic disorders in the body and causing diseases. Hydroxyl radical scavenging ability is one of the important indicators of the antioxidant capacity of samples, and it has been widely used in the research of antioxidant health products and drugs.

H₂O₂/Fe²⁺ generates hydroxyl radicals through the Fenton reaction, which oxidizes Fe²⁺ in the o-phenanthroline-Fe²⁺ aqueous solution to Fe³⁺, resulting in a decrease in the absorbance at 536nm. The sample inhibits the rate of decrease in absorbance at 536nm, reflecting the sample's removal of hydroxyl radicals Ability.

Catalog No.	250132
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	2 ~ 8°C/1 year
Shipping	Gel Packs