CREATIVE BIOMART®
Assay Kit

H2S Content Assay Kit

Product Information

Product Overview

Hydrogen sulfide is a gaseous signaling molecule functioning as a neurotransmitter in the brain. Physiological concentrations of H₂S regulate long-term potentiation in the hippocampus and play important roles in hypertension, hemorrhagic shock, and liver cirrhosis. H₂S reacts with zinc acetate, N,N-dimethyl-p-phenylenediamine, and ferric ammonium sulfate to form methylene blue, which has a maximum absorbance at 665 nm. Absorbance measurement enables quantification of H₂S content.

Size

50t/48s

Storage

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

Detection method Spectrophotometer

Materials Required but Not Supplied

Balance, refrigerated centrifuge, visible spectrophotometer, 1 mL glass cuvettes, distilled water.

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