CREATIVE BIOMART®
Assay Kit

Soil Peroxidase (S-POD) Activity Assay Kit

Product Information

Product Overview

Significance of Measurement: Malondialdehyde (MDA) is a major end product of lipid peroxidation. Its concentration reflects the extent of membrane lipid oxidative damage and is commonly used as a biomarker of oxidative stress.
Principle of Measurement: MDA reacts with thiobarbituric acid (TBA) to form a red-colored MDA–TBA adduct with a characteristic absorbance at 532 nm. MDA content is calculated based on absorbance at this wavelength.

Size

50t/24s

Storage

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

Detection method Spectrophotometer

Materials Required but Not Supplied

Visible spectrophotometer or microplate reader, thermostatic water bath, benchtop centrifuge, adjustable pipettes, quartz cuvettes or 96-well plates, and distilled water.

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