



## Lipid Peroxidation (MDA) Colorimetric/Fluorometric Assay Kit

### Product Information

#### Cat

Kit-0542

#### Common Name

MDA

#### Cat.No.

Kit-0542

### Product Overview

Simple procedure

Fast and convenient

Sensitive assay for measuring lipid peroxidation (LPA) in a wide range of samples

### Description

Quantification of lipid peroxidation is essential to assess oxidative stress in pathophysiological processes. Lipid peroxidation forms Malondialdehyde (MDA) and 4-hydroxynonenal (4-HNE), as natural bi-products. Measuring the end products of lipid peroxidation is one of the most widely accepted assays for oxidative damage. Lipid Peroxidation Assay Kit provides a convenient tool for sensitive detection of the MDA in a variety of samples. The MDA in the sample is reacted with Thiobarbituric Acid (TBA) to generate the MDA-TBA adduct. The MDA-TBA adduct can be easily quantified colorimetrically ( $\lambda = 532 \text{ nm}$ ) or fluorometrically (Ex/Em = 532/553 nm). This assay detects MDA levels as low as 1 nmol/well colorimetrically and 0.1 nmol/well fluorometrically.

### Applications

The kit detects MDA levels as low as 1 nmol/well colorimetrically and 0.1 nmol/well fluorometrically.

### Usage

For Research Use Only! Not For Use in Humans.

### Storage

-20°C



## Lipid Peroxidation (MDA) Colorimetric/Fluorometric Assay Kit

### Size

100 assays

### Kit Components

- MDA Lysis Buffer
- Phosphotungstic Acid Solution
- BHT (100X)
- TBA
- MDA Standard (4.17M)

### Target Species

All

**Detection method** Absorbance (532 nm) or Fluorescence (Ex/Em 532/553 nm)

### Compatible Sample Types

Cell and Tissue culture supernatants, plasma and other biological fluids (optimized by end user).