CREATIVE BIOMART®
Assay Kit

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 (λ = 532 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

Size

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

Lipid Peroxidation (MDA) Colorimetric/Fluorometric Assay Kit

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).

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