CREATIVE BIOMART®
Assay Kit

MDA Assay Kit

Product Information

Cat.No. Kit-0543

Product Overview

MDA Assay Kit is a quantitative colormetric/fluorometric determination of lipid peroxidation.

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 biproducts. Measuring end products of lipid peroxidation is useful measure of oxidative damage. MDA Assay Kit provides a convenient tool for sensitive detection of the MDA in a variety of samples. MDA in the sample is reacted with Thiobarbituric Acid (TBA) to generate the MDA-TBA adduct which can be easily quantified colorimetrically (OD 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.

Usage

For research use only (RUO)

Storage

Store the kit at -20°C, protected from light. Allow all components to warm to room temperature before use.Briefly centrifuge vials before opening. Read the entire protocol before performing the assay. Store all reagents at -20°C.

Kit Components

MDA Lysis Buffer. Cap code: WM. 25 mLPhosphotungstic Acid Solution. Cap code: NM. 12.5 mLBHT (100X). Cap code: purple. 1 mLTBA. Cap code: NM. 4 bottlesMDA Standard (4.17M). Cap code: yellow 100 μL

Detection method Colorimetric, Fluorometric

Compatible Sample Types

Biological fluids, Cell Culture Supernatant, Plasma, Tissue Culture Supernatant

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