CREATIVE BIOMART®
Assay Kit

TBARS Assay Kit

Product Information

Cat

Kit-2431

Cat.No. Kit-2431

Product Overview

Oxidative attack of essential cell components by reactive oxygen species has been associated with several human diseases, such as atherosclerosis, cardiovascular diseases, diabetes, liver disorders, and inflammatory rheumatic diseases. THIOBARBITURIC ACID REACTIVE SUBSTANCES (TBARS) are low-molecular-weight end products (mainly malondialdehyde, MDA) that are formed during the decomposition of lipid peroxidation products. Increased levels of TBARS have been demonstrated in these diseases. Simple, direct and accurate assays for TBARS find wide applications in research and drug discovery. TBARS assay is based on the reaction of TBARS with thiobarbituric acid (TBA) to form a pink colored product. The color intensity at 535nm or fluorescence intensity at (λex/em = 530nm/550nm) is directly proportional to TBARS concentration in the sample.

Storage

-20°C

Shipping

RT

Size

100 tests

Detection method OD535nm, or FL530/550nm

Compatible Sample Types

Serum, plasma, urine, saliva etc

Features & Benefits

Sensitive and accurate. Linear detection range: colorimetric assay 1 -30 μM, fluorometric assay 0.1 - 1. 5 μM MDA.

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Assay time
80 min
Sensitivity
0.1 μM

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