

Lipid Peroxidation (MDA) Assay Kit

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CATALOG #
AAA31525

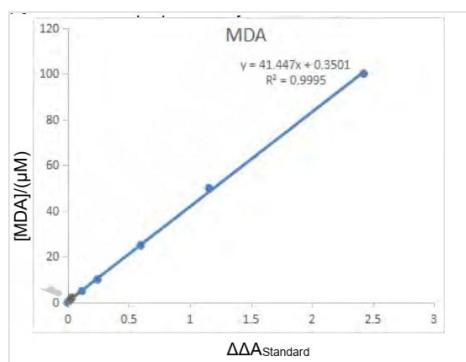
PRODUCT SYNONYMS

Lipid Peroxidation (MDA); Lipid Peroxidation (MDA) Assay kit; Lipid Peroxidation (MDA) assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, Plasma, Urine, Animal and Plant Tissues, Cells, Bacteria
Application Notes	Lipid Peroxidation (MDA) Assay Kit provides a convenient tool for detection of the malondialdehyde (MDA) present in a variety of samples. MDA, together with 4-hydroxynonenal (4-HNE), is a natural bi-product of lipid peroxidation and its quantification is generally used as marker for lipid peroxidation. The MDA in the sample reacts with thiobarbituric acid (TBA) to generate a MDA-TBA adduct, which can be easily quantified colorimetrically at OD 532 nm. Meanwhile, the absorbance at 600 nm was measured, and MDA was calculated by the difference between the absorbance at 532 nm and 600 nm (To avoid the interference of saccharose).
Preparation and Storage	Store at -20 degree C immediately upon receipt. Kit has a storage time of 6 months from receipt. Refer to list of materials supplied for storage conditions of individual components.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Lipid Peroxidation (MDA) assay kit	Principle of the Assay: Oxygen free radicals react on lipid unsaturated fatty acids to produce lipid peroxidation. The latter gradually breaks down into a series of complex compounds, including malondialdehyde (MDA). Lipid oxidation levels can be measured by detecting MDA levels. Lipid peroxidation may contribute to many diseases, including atherosclerosis, diabetes, and Alzheimer's disease. CheKine™ Micro Lipid Peroxidation (MDA) Assay kit provides a convenient tool for detection of the malondialdehyde (MDA) present in a variety of samples. Malondialdehyde (MDA) can be condensed with thiobarbituric acid (TBA) under acidic and high temperature conditions to produce the brown-red trimethyltran (3,5, 5-trimethyloxazol-2, 4-dione) with a maximum absorption wavelength of 532 nm. Meanwhile, the absorbance at 600 nm was measured to eliminate the interference of sucrose, and MDA was calculated by the difference between the absorbance at 532 nm and 600 nm.
Product Categories/Family for Lipid Peroxidation (MDA) assay kit	Cell Metabolism

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/assay-kits/lipid-peroxidation-mda/31525>