

Lipid peroxidation Assay Kit

Lipid peroxidation assay kit (Colorimetric method)

CATALOG #
AAA172728

PRODUCT SYNONYMS

Lipid peroxidation; Lipid peroxidation assay kit (Colorimetric method); Lipid peroxidation assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, plasma, urine and tissue samples
Detection Range	0.70-80umol/L
Sensitivity	0.70 umol/L
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

ADDITIONAL INFORMATION

Related Product Information for Lipid peroxidation assay kit

Intended Uses: This kit can be used to measure Lipid Peroxide (LPO) content in serum, plasma, urine and tissue samples.

Principle of the Assay: With 450C incubation for 60min, one molecule of LPO react with two molecule of chromogenic reagent, to produce a stable chromophore which have the maximum absorption peak at 586nm. Calculate the content of LPO in samples by standard curve or calculation formula.

Background/Introduction: Lipid peroxidation, as an indicator of oxidative stress in cell and tissue, has been identified as a kind of cellular damage. Lipid peroxide is unstable and can decompose into complex mixture including carbonyl compounds. Polyunsaturated fatty acid peroxide is decomposed into Malondialdehyde (MDA) and 4-hydroxyl olefins (HAE). Detection of LPO, MDA and HAE has been an indicator of lipid peroxidation.

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.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/lipid-peroxidation/172728>