

Lipid Peroxidation (LPO) Assay Kit | LPO assay kit

Micro Lipid Peroxidation (LPO) Concent Assay Kit

CATALOG #
AAA332655

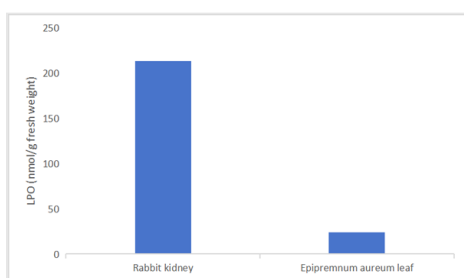
PRODUCT SYNONYMS

Lipid Peroxidation (LPO); Micro Lipid Peroxidation (LPO) Concent Assay Kit; LPO assay kit

PRODUCT SPECIFICATIONS

Samples	Animal and Plant Tissue, Cells, Plasma, Serum or other Liquid samples
Kit Components	Extraction Buffer I Extraction Buffer II Reagent I Reagent II Standard
Features & Benefits	The verified samples are complete in type and easy to operate.
Usage Notes	If not assayed immediately, samples can be stored at -80 degree C for one month. It is recommended to perform several dilutions of your sample to ensure the readings are within the standard value range. Fresh samples are necessary for good results. If don't perform the assay at the same time, it's better to complete the Sample Preparation step before storing the samples.
Preparation and Storage	Storage at 4 degree C and Keep from light 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. Shipping: Gel pack with blue ice.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for LPO assay kit

Lipid hydroperoxide (LPO) is a peroxide produced by the action of unsaturated fatty acid chains by free radicals or reactive oxygen species. In pathological conditions, the enhancement of lipid peroxidation can lead to the increase of the originally low level of LPO. The increase of LPO content will cause damage to the structure and function of cells, and LPO content is closely related to the immune system and aging. Micro Lipid Peroxidation (LPO) Content Assay Kit can be used to detect biological samples such as animal and plant tissue, cells, plasma, serum or other liquid samples. In the kit, LPO is heated under acidic conditions to produce malondialdehyde (MDA), which condense with Thiobarbituric acid (TBA) to produce the brown-red substance trimethine (3,5,5-trimethyloxazol-2,4-dione), whose maximum absorption wavelength is 532 nm. The content of LPO in the sample can be estimated by colorimetry.

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-lpo/332655>