

Monoamine Oxidase (MAO) Assay Kit | MAO assay kit

Monoamine Oxidase (MAO) Activity Assay Kit

CATALOG #
AAA177781

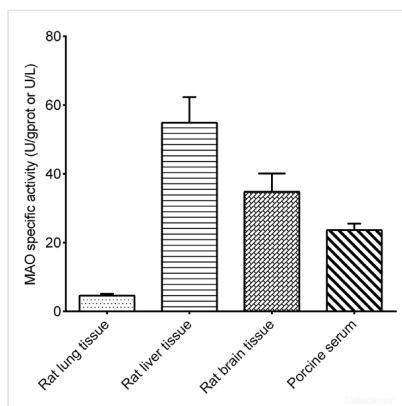
PRODUCT SYNONYMS

Monoamine Oxidase (MAO); Monoamine Oxidase (MAO) Activity Assay Kit; MAO assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, plasma and animal tissue samples
Detection Range	16 - 641 U/L
Sensitivity	16 U/L
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for MAO assay kit

Intended Uses: This kit can be used to measure monoamine oxidase (MAO) activity in serum, plasma and animal tissue samples.

Principle of the Assay: MAO can catalyze 4-dimethylaminobenzylamine to produce p-dimethylaminobenzaldehyde. p-Dimethylaminobenzaldehyde has a characteristic absorption peak at 355 nm. The activity of MAO can be calculated indirectly by analyzing the production of p-dimethylaminobenzaldehyde.

Background/Introduction: Monoamine oxidase (MAO, EC1.4.3.4) is a "flavin protein" containing the alpha-Mercaptopropionic acid in the outer membrane of mitochondria of cells. Its main function in vivo is to catalyze the metabolism of endogenous and exogenous monoamine substances. Under the action of MAO, monoamines are oxidized to produce deamination. MAO is ubiquitous in central nervous system and nerve endings, and it is mainly located on the outer membrane of mitochondria of tissues such as brain, liver and intestinal mucosa.

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.

