

Free Fatty Acids (NEFA/FFA) Assay Kit | NEFA/FFA assay kit

Free Fatty Acids (NEFA/FFA) Colorimetric Assay Kit

CATALOG #
AAA179647

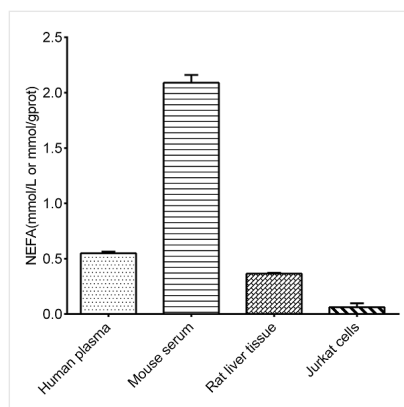
PRODUCT SYNONYMS

Free Fatty Acids (NEFA/FFA); Free Fatty Acids (NEFA/FFA) Colorimetric Assay Kit; NEFA/FFA assay kit

PRODUCT SPECIFICATIONS

Assay Type	Quantitative
Samples	serum, plasma, animal tissue, cell
Detection Range	0.14-4 mmol/L
Sensitivity	0.14 mmol/L
Detection Type	Colorimetric method
Detection Instrument	Microplate reader
Precision	Inter CV: 2.5-6.1% Intra CV: 1.5-4.5%
Research Area	Glycolysis and Lipid Metabolism, Metabolic Diseases
Test Principle	Free fatty acids (NEFA/FFA) generate acyl-CoA under the action of acyl synthase, then acyl-CoA generates hydrogen peroxide under the oxidation of acyl oxidase. Hydrogen peroxide reacts in the presence of enzymes and chromogens, producing a red substance with maximum absorption at 546 nm. The amount of this red product is proportional to the content of free fatty acids.
Preparation and Storage	This product can be stored at 2-8 degree C/-20 degree C for 12 months with shading light. Please refer to the manual for the specific storage condition of the components. Shipping: Ice bag

IMAGES



Application Data

ADDITIONAL INFORMATION

Product Categories/Family for NEFA/FFA assay kit	Cell Metabolism Assays; Glycolysis and Lipid Metabolism; Metabolic Diseases
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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/free-fatty-acids-nefa-ffa/179647>