

Nonesterified Free Fatty Acids Assay Kit

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CATALOG #
AAA173612

PRODUCT SYNONYMS

Nonesterified Free Fatty Acids; Nonesterified Free Fatty Acids Assay Kit; Nonesterified Free Fatty Acids assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, plasma, tissue homogenate, cells or cell supernatant samples
Detection Range	0.01-3.0 mmol/L
Sensitivity	1.0 mmol/L samples
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

ADDITIONAL INFORMATION

Related Product Information for Nonesterified Free Fatty Acids assay kit

Principle of the Assay: NEFA and can react with coenzyme A and form acetyl-CoA under the catalysis of acetyl-CoA-synthetase (ACS). AcetylCoA can produce H₂O₂ when catalyzed by acetyl-CoA-oxidase (ACOD). Then H₂O₂ react with TOOS and 4-aminoantipyrine (4-APP) to generate a colored substrate under the catalysis of peroxidase (POD). The colored substrate has a maximum absorption peak at 546 nm. Measure the OD value at 546 nm and calculate the NEFA content indirectly.

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/nonesterified-free-fatty-acids/173612>