

Nonesterified Free fatty acids Assay Kit

Nonesterified Free fatty acids assay kit (Colorimetric method)

CATALOG #
AAA172679

PRODUCT SYNONYMS

Nonesterified Free fatty acids; Nonesterified Free fatty acids assay kit (Colorimetric method); Nonesterified Free fatty acids assay kit

PRODUCT SPECIFICATIONS

Samples	Animal serum, animal tissue and cells samples
Detection Range	0.05-2.0 mmol/L
Sensitivity	0.05 mmol/L
Intra-assay Precision	2.2
Inter-assay Precision	6.1
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

Background: Free fatty acids, also known as non-esterified fatty acids, are derived from dietary or the metabolism of adipose tissue. In adipose tissue, hormonesensitive lipase (HSL) decomposes triglycerides to produce glycerol and fatty acids. Circulating in the body with free fatty acids combined with plasma albumin, used as an energy source easily absorbed by muscles, brains, and other tissues and organs. NEFA is not only the product of fat hydrolysis, but also the substrate of fat synthesis. The concentration of NEFA is related to lipid metabolism, glucose metabolism and endocrine function.

Principle of the Assay: Under the condition of weak acidity, NEFA react with nantokite to form copper soap, which has a specific absorption peak at 715nm. The content of NEFA can be calculated by measuring the OD value at 715 nm.

Intended Uses: This kit can be used to measure the non-esterified free fatty acids (NEFA) content in animal serum, animal tissue and cells samples.

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/172679>