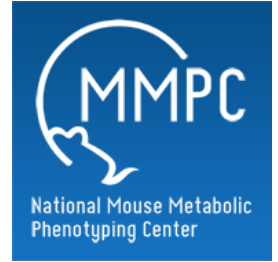


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Yale - Non-Esterified Fatty Acids

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John Stack¹, Gary Cline¹

¹Yale University

Mouse Metabolic Phenotyping Centers
Tech. support email: info@mmpc.org



Lili Liang

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Protocol status: Working

We use this protocol and it's working

Created: March 12, 2019

Last Modified: May 17, 2019

Protocol Integer ID: 21344

Keywords: Non-Esterified Fatty Acids (NEFA)


Abstract

Summary:

Procedure used to determine the concentration of NEFA in blood, serum, and plasma. NEFA; Free fatty acids are measured in a multistep reaction to form an colored adduct of 3-methyl-Nethyl-N-(b-hydroxy-ethyl)-analine and 4-aminoantipyridine monitored at 560 nm.

Materials

MATERIALS

 NEFA Reagents A & B **Wako Catalog #H7587-58**

 NEFA Solvents A & B **Wako Catalog #H7587-58**

Reagent Preparation:

NEFA Reagent A: Add 50 mL of Solvent A to Reagent A. Gently invert and allow 15 minutes to mix.

NEFA Reagent B: Add 25 mL of Solvent B to Reagent B. Gently invert and allow 15 minutes to mix.

NEFA Solvents A & B: As supplied by vendor.

Note:

Wako RRID:SCR_013651

Before start

Analysis by automated system Cobas Mira Plus



- 1 Calibrate Cobas for NEFA analysis by running a NEFA standard.

- 2 Sample handling as performed by the Cobas Mira Plus
 - a) Pipette 6 μ L of sample into cuvette.
 - b) Add 225 μ L of NEFA Reagent A Mixture.
 - c) Add 75 μ L of NEFA Reagent B Mixture.
 - d) Mixture is incubated at 37°C for 10 minutes
 - e) Absorbance is measured at 560 nm.