

NEFA Linearity Set

Intended Use

The NEFA Linearity Set is to be used with Wako NEFA C kit or Autokit NEFA for the determination of linearity and/or calibration verification of non-esterified fatty acid analyte.

Reagents and Ingredients

NEFA Linearity Set 1 × 10 mL

Contains oleic acid and 0.1% sodium azide.

Store at 2-10°C. Do not freeze.

Determination of assigned values

Assigned values: 2.5 mEq/L.

Determination: Wako Autokit NEFA method (ACS-ACOD method with 1 mEq/mL of Wako NEFA C standard).

Reagent preparation

Use this linearity material as supplied. If the linearity material is stored after opening, tightly cap the bottle and store it at 2-10°C.

Unopened vials are stable until the expiration date printed each vial.

Instruction for Use

1. Calibrate the NEFA C/Autokit NEFA assay according to the package insert instruction for this assay, using Wako NEFA C standard.
2. Prepare a serial dilution using the following dilution scheme:

Percent Dilution	NEFA Linearity Set (mL)	Deionized Water (mL)
100%	1.0	0.0
90%	0.9	0.1
80%	0.8	0.2
70%	0.7	0.3
60%	0.6	0.4
50%	0.5	0.5
40%	0.4	0.6
30%	0.3	0.7
20%	0.2	0.8
10%	0.1	0.9
0%	0.0	1.0

3. Determine the actual linearity. Using linear graph paper, plot the actual concentration obtained for each level on the vertical axis versus the theoretical concentration calculated from the above dilution scheme.

The plot will be linear up to the point at which the NEFA concentration exceeds the reagent/instrument system's linear capabilities.

Interpretation of Results

The point at which deviation from a straight line occurs represents the limit of linearity of the reagent/instrument system. Above this point, the response is less than expected.

Note : Linearity is not related to accuracy. The accuracy of the reagent/instrument system must be established by other means.

Warning and precautions

For in Vitro Diagnostic Use

Not to be used internally in humans or animals.

Do not use this NEFA Linearity Set for any other purpose than described herein.

This NEFA Linearity Set contains 0.1% sodium azide as a preservative. Sodium azide may react with copper or lead plumbing to form explosive compounds. Even though these products contain minute quantities of sodium azide, drain should be flushed well with a large amount of water discarding the solution.

Ordering Information

Code No.	Product	Package
997-76491	NEFA Linearity Set	1 × 10 mL

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997-76491F

Manufactured by
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