

CicaFit NAG



Characteristics

- The reaction indicators is 3-Methoxy-2-pyridinethiol (3-MPT).
- Use a UV method the influence of vital dye is less.
- This has good open stability.

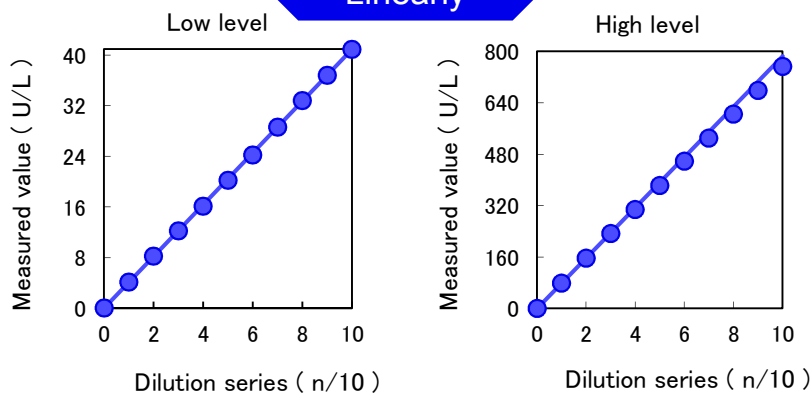
Code	Name	Package	Storage	Expiry
78209	CicaFit NAG (SPS) Reagent 1	20 mL × 3	2~8°C	1 year
78210	CicaFit NAG (SPS) Reagent 2	10 mL × 3	2~8°C	1 year
78211	NAG Calibrator	1 mL × 3	2~8°C	1 year
78212	Qualitrol NAG	2 mL × 3	2~8°C	1 year

Principle



(measured the reaction rate at 340 nm)

Linearly

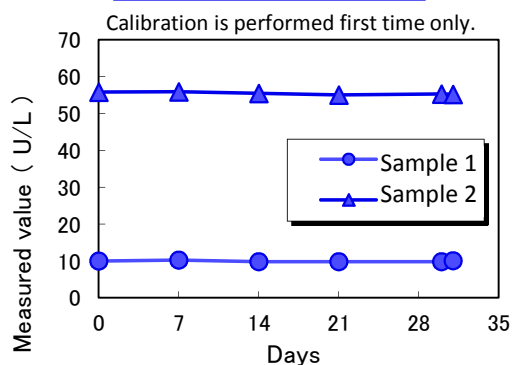


Within-run precision

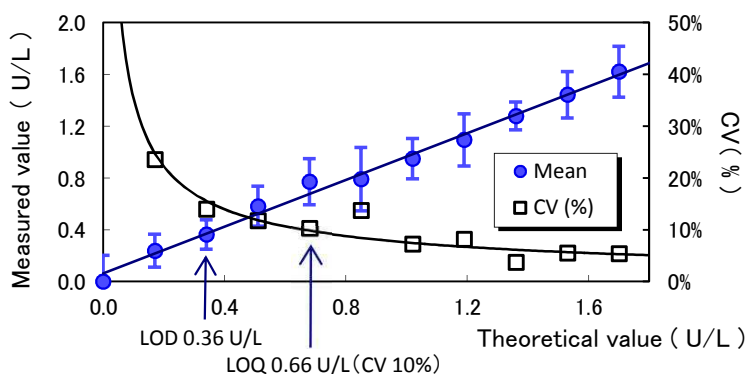
Sample	1	2
N	20	20
Mean	9.43	34.04
Max	9.6	34.5
Min	9.3	33.6
Range	0.3	0.9
S.D.	0.10	0.25
C.V.(%)	1.08	0.72

Unit: U/L

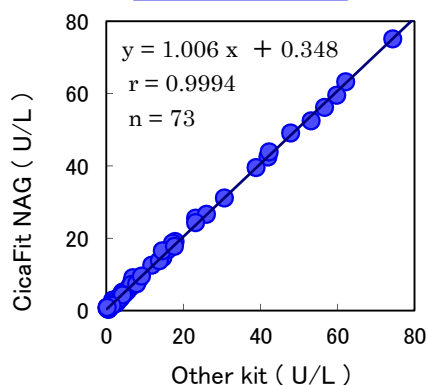
Open stability



Limit of detection and Limit of quantitation



Correlation



Comparison of ϵ of reaction indicator

The table shows the comparison of ϵ of the reaction indicators from various chromogenic substrates for NAG assay. Blue letter is our reaction indicator.

Reaction indicator	Wavelength	pH	ϵ
3-Methoxy-2-pyridinethiol (3-MPT)	340 nm	5.0	11.0
6-Methyl-2-pyridinethiol (MPT)	340 nm	4.5	8.9
2-Chloro-4-nitrophenol (CNP)	405 nm	5.0	6.4

ϵ : L \cdot mmol $^{-1}$ \cdot cm $^{-1}$

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