

Uric Acid

Enzymatic Colorimetric Method

INTERPRETATION OF RESULTS

AUTOMATED PARAMETERS	
Wavelength	505 nm (490-550 nm)
Reaction Type	End Point
Cuvette	1 cm light path
Reaction Temperature	37°C
Reaction Type	Increasing
Measurement	Against Reagent Blank
Sample Volume	25µl
Reagent Volume	1000 µl
Incubation	10 minutes
Blank Absorbance Limit	< 0.200
Low Normal	2.4 mg/dL (0.14 mmol/L)
High Normal	7.2 mg/dl (0.43 mmol/L)
Linearity	25.0 mg/dL (1.50 mmol/L)

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

	Blank	Standard	Test
Reagent 1	1000µL	1000µL	1000µL
Standard	--	25µL	--
Sample	--	--	25µL

Mix & Incubate for 10 min. at 37 °C. Measure absorbance of Sample (AT) and Standard (AS) against Reagent Blank at 505 nm. The colour is stable for 30 min. at R.T.

SAMPLE DILUTIONS:

1. This method is linear upto a concentration of 25 mg/dL.
2. Dilute samples above this concentration 1:1 with 0.9% saline.
3. Repeat assay. Multiply the result by 2.

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Uric Acid Test Kit



LINEARITY

The method is linear upto a concentration of 25 mg/dL. Dilute samples above this concentration 1:1 with 0.9% saline solution and repeat assay. Multiply the result by 2.

Limit of detection: 0.5 mg/dL.

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