CORALYZER
System Pack

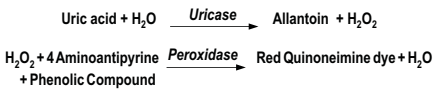
Uric Acid Kit

(Uricase / PAP Method)

For the determination of Uric Acid in serum or plasma.
(For Invitro Diagnostic Use Only)

Summary
Uric acid is the end product of purine metabolism. Uric acid is excreted to a large degree by the kidneys and to a smaller degree in the intestinal tract by microbial degradation. Increased levels are found in Gout, arthritis, impaired renal functions,and starvation. Decreased levels are found in Wilson's disease, Fanconis syndrome and yellow atrophy of the liver.

Principle
Uricase converts uric acid to allantoin and hydrogen peroxide. The hydrogen peroxide formed further reacts with a phenolic compound and 4 aminoantipyrine by the catalytic action of peroxidase to form a red coloured quinoneimine dye complex. Intensity of the colour formed is directly proportional to the amount of uric acid present in the sample.



Normal reference values

Serum / Plasma	Males	:	3.4 - 7.0 mg/dl
	Females	:	2.5 - 6.0 mg/dl

It is recommended that each laboratory establish its own normal range representing its patient population.

Contents

Coralyzer 100 System Packs	**40 ml**	**80 ml**	**240 ml**
L1 : Buffer Reagent	32 ml	2 x 32 ml	6 x 32 ml
L2 : Enzyme Reagent	8 ml	16 ml	3 x 16 ml

Coralyzer 200 System Packs	**40 ml**	**300 ml**
L1 : Buffer Reagent	32 ml	6 x 40 ml
L2 : Enzyme Reagent	8 ml	4 x 15 ml

Storage / stability
Contents are stable at 2 - 8^{0}C till the expiry mentioned on the labels.

Reagent preparation
Reagents are ready to use.

Sample material
Serum, plasma. Uric Acid is reported to be stable in the sample for 3 -5 days when stored at 2 - 8^{0}C.

Calibration
Calibrator is recommended for calibration of this assay.

Linearity
This procedure is linear up to 20 mg/dl.

Note
This kit can not be used for urine samples, as urine contains large amount of reducing substances which interfere in the test.

References
Trinder, P., (1969) Ann. Clin. Biochem. 6 : 24
Fossati, P., Prencipe, L., (1980) Clin. Chem. 26 : 227

Programming on	**CORALYZER 100/200**
Item	URIC ACID
Full Name	URIC ACID
Test Method	End Point
Base Information	
Unit	mg/dl
Filter	546 nm
Sub. Filter	670 nm
Decimal	xx.xx
High pollute	No
Reagent Blank	
Blank Medium	Reagent
Blank Value	0
Blank Low	0
Blank High	0.4
Sample	
Sample Volume	6
Dilution Times	1
Range Setup	
Reagent	
Rgt. 1 Volume	240
Rgt. 2 Volume	60
Linearity	20
Read data for check	
Assistant Start	NONE
Assistant End	NONE
Range Low	0
Range High	2
Test Point Start	32
Test Point End	33
Standard	
Number of standard	1
Factor	1
Correct Factor	1
Standard Cup	User Defined
Conc.	See Calibrator

Manufactured by :
Coral Clinical Systems
A Division of Tulip Diagnostics (P) Ltd.
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