

CREATININE

METHOD : Modified Jaffe's Method

PRINCIPLE : In Alkaline solution, Picrate reacts with Creatinine to form a Yellow-Red 2,4,6 – Tri Nitro Cyclo Hexadienate. The Colour intensity is proportional to the Creatinine Concentration..

NORMAL RANGE :

Male : 0.7 to 1.3 mgs/dl Female : 0.6 to 1.1 mgs/dl

SAMPLE : Serum, EDTA or Heparinised Plasma.

MATERIAL REQUIRED : Creatinine Reagent, Clean and Dry Test tubes, Micro Pipettes, Semi Auto Analyzer.

SYSTEM PARAMETERS :

Reaction	: Fixed Time	Sample Volume	: 0.05 ml
Wavelength	: 505 nm	R1 Reagent Volume	: 0.50 ml
Delay Time	: 30 Seconds	R2 Reagent Volume	: 0.50 ml
Read Time	: 60 Seconds	Linearity	: 30 mgs/dl

Working Reagent Preparation : Take 0.50 ml R1 and 0.50 ml R2, mix well.

PROCEDURE :

Take Creatinine Working Reagent 1.00 ml in a test tube.

Add 0.05 ml Serum / Plasma and mix well.

Aspirate Immediately in Semi Auto Analyzer.

Prepared by : Lab Technician	Authorized by : Medical Officer