GLUCOSE

METHOD : GOD / POD Method

PRINCIPLE : Glucose is Oxidised to Gluconic Acid and Hydrogen Peroxide in the presence og Glucose Oxidase. Hydrogen Peroxide further reacts with Phenol and 4 – Amino Antipyrine by the catalytic action of Peroxidase to form a Red Coloured Quininemine Dye Complex. Intensity of the Colour formed is directly proportional to the amount of Glucoe present in the Sample.

NORMAL RANGE :

Fasting : 70 to 110 mgs/dl Post Prandial: 80 to 140 mgs/dl

SAMPLE : Serum Or Sodium Fluoride Plasma.

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

SYSTEM PARAMETERS :

Reaction	: End Point	Sample Volume	: 0.01 ml
Wavelength	: 505 nm	Reagent Volume	: 1.00 ml
Incubation Time	: 37 ^{0} C / 10 Min	Standard Conc.	: 100 mg/dl
Incubation Time	: R. T. / 30 Min	Linearity	: 500 mgs/dl

PROCEDURE :

Bring the Glucose Reagent to room temperature.

Take Glucose Reagent 1.00 ml in a test tube.

Add 0.01 ml Serum / Plasma and Wait..

Take reading in Semi Auto Analyzer.

Prepared by : Lab Technician	Authorized by : Medical Officer