

## CHOLESTEROL

**METHOD** : CHOD / PAP Method

**PRINCIPLE** : The Cholesterol Esters are hydrolysed to Free Cholesterol by Cholesterol Esterase, the Free Cholesterol is then oxidized to Cholesterol Oxidase to 4-eb-3-one with the simultaneous production of Hydrogen Peroxide. The Hydrogen Peroxide reacts with 4-Amino Anti Pyrine and Phenolic Compound in the presence of Peroxidase to yield a Coloured Complex which is read at 505 nm.

**NORMAL RANGE** : 130 to 200 mgs/dl

**SAMPLE** : Serum, EDTA or Heparinised Plasma.

**MATERIAL REQUIRED** : Cholesterol 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 <sup>0</sup> C / 10 Min	Standard Conc.	: 200 mg/dl
Incubation Time	: R. T. / 30 Min	Linearity	: 1000 mgs/dl

### **PROCEDURE** :

Bring the Cholesterol Reagent to room temperature.

Take Cholesterol 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